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Revision D, 8/2006
Wraptor Utility Menu and *Control Menu* software version: 1.30

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Fax: (414) 358-6767
E-Mail: tech_support@bradycorp.com
Assistance is available 24 hours per day / 7 days per week. Go to www.bradyid.com and then select **Knowledge Base** from the left-hand panel.

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Chapter 1 Introduction

This section contains introductory information on the *Wraptor*™, including specifications. It also provides information about the User's Guide.

1.1 Introducing the Wraptor

The *Wraptor*™ is a semi-automatic computerized system that integrates the print-and-apply processes used for labeling wire and cable. You design labels on your computer using Brady's *LabelMark*™ software, included with your unit. You then transfer the labels to the *Wraptor* for printing and wrapping on a variety of wires and cables.

For instructions on general use, please see *Creating, printing and wrapping labels* on page *30* of this guide.

The *Wraptor* can be run in either local or remote mode. This guide describes how to run *Wraptor* in local mode. For details on programming the *Wraptor* for remote operation, please refer to the *Wraptor Programmer's Guide*.

1.2 Registration

Please register your Wraptor online at www.bradyid.com/productregistration. Your Wraptor must be registered within 30 days to validate warranty and machine support.

1.3 About the User's Guide

A printable version of the *Wraptor User's Guide* in Adobe PDF format is available from the Wraptor CD Installation Menu. See *Insert the Wraptor CD* on page *11* of this guide.

The *User's Guide* contains information on the features, functions and operation of the *Wraptor*. For information on using *LabelMark* software, please refer to the *LabelMark User's Guide*.

Read the *Safety* information starting on page 4 prior to setting up or operating the *Wraptor*. It contains information necessary for the safe operation of the unit. Important information contained in this guide is marked as follows:

WARNING: Impending Danger!
May cause death or physical injury.

CAUTION: Dangerous Situation!
May cause equipment/material damage or data loss.

NOTE: Helpful additional information and tips for use.

1.4 Technical Specifications

The *Wraptor* has the following specifications:

- 300 dots per inch (11.8 dots per mm) print resolution
- 1.75 inches per second (44.45 mm per second) print speed
- The following wrap speeds:
  - 4 seconds (apply only)
  - 4.5 seconds (wrap and apply)
- Accommodates wires between 0.060" (1.524 mm) min. and 0.600" max. (15.24 mm) without adjustment
- Supports labels up to 2" (50.8 mm) wide
- Support for labels from 0.75" (19.05 mm) min. to 3.0" (76.2 mm) max. height. (1.625" max. printable height)
- One-year Warranty
- Accepts CompactFlash Memory Cards for added storage capability and standalone operation

1.4.1 Physical Dimensions

Physical	Metric Units	U.S. Units
Dimensions (width, height, depth)	381 x 458 x 572 mm	15 x 18 x 22.5 in
Weight	36 kg	80 lb

1.4.2 Environmental Ranges

Environmental	Operation	Storage
Temperature*	50 to 105°F (10 to 41°C)	0 to 140°F (-18 to 60°C)
Relative Humidity	20 to 80% non-condensing	10 to 95% non-condensing

*Exposing the *Wraptor* to direct sunlight is not recommended.

1.4.3 Materials Storage Specifications

CAUTION: Consumable material for use with this unit must be stored in its original packaging in an environment in which the temperature is *below* 80°F and 60% Relative Humidity.

1.4.4 Electrical Specifications

Input Voltage	100 - 240 V~
Current	2A
Frequency	50/60 Hz

1.4.5 Power Cord Specifications

Users in countries outside of North America may be required to supply their own power cord for connecting the system to an AC electrical outlet. Choose an AC power cord and plug that is suitable for the country in which the equipment is to be installed. The AC power cord and plug must meet all national regulations and requirements for that intended country.

The table below shows the specifications for the power cord to be used in various countries:

In this country:	Use this power cord:
Sweden, Denmark, Norway, Finland, Holland, Switzerland, Austria, Germany, Italy, Belgium, France, Spain, Portugal, Hungary	Specifications plug: CEE-7 connector: IEC 320 conductor size: 3 x 1.00 mm^2 description: H05VVF3G1.0 typ. stranding: 32/0.2 mm current rating: 10A voltage rating: 250 VAC maximum length: less than 3 meters
United Kingdom, Ireland, South Africa	Specifications plug: BS 1363A connector: IEC 320 conductor size: 3 x 1.00 mm^2 description: H05VVF3G1.0 typ. stranding: 32/0.2 mm current rating: 10A voltage rating: 250 VAC maximum length: less than 3 meters
Australia, New Zealand	Specifications plug: AS 3112-1981 connector: IEC 320 conductor size: 3 x 1.00 mm^2 description: AS 3191 typ. stranding: 32/0.2 mm current rating: 10A voltage rating: 250 VAC maximum length: less than 3 meters

1.4.6 System Requirements

Following are the *recommended* requirements for the computer on which you will install and run *LabelMark*, the *File Management Utility* and the *Wraptor Printer Driver*:

- Intel® Pentium® processor (*minimum 66 MHz 486DX2*)
- Operating system:
  - Microsoft® Windows® 2000 with Service Pack 1
  - Microsoft® Windows® NT with Service Pack 6a
  - Microsoft® Windows® XP
- Microsoft® Internet Explorer 5.01
- 64MB of RAM (*minimum 16 MB of RAM*)
- 100 MB of available hard-disk space
- 16-bit or greater video display card
- 800x600 or greater monitor resolution
- CD-ROM Drive

Chapter 2 Safety

This section contains safety information necessary for the safe operation of the *Wraptor*. Be sure to read this section prior to setting up or operating the unit.

Always be sure to adhere to the safety standards regulating your operating environment. Also adhere to the following safety rules included in or in addition to your specific standards:

WARNING: Do not wear loose clothing—such as long sleeves or scarves—that could become caught in the unit.

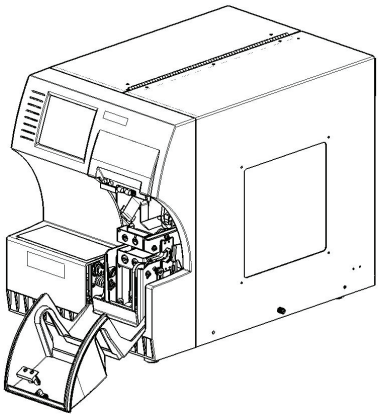
CAUTION: Keep areas around the unit clean at all times.

2.1 Automatic Stops

The *Wraptor* employs the following automatic safety stops:

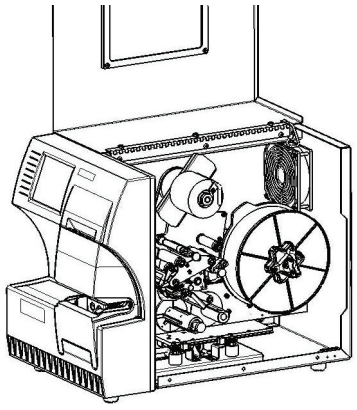
2.1.1 Front Door

A plastic cover protects the jaws of the unit. The unit is designed to automatically stop all moving parts when the plastic cover is open.



2.1.2 Side Door

The unit is designed to automatically stop all moving parts when the side door is opened. You may view the materials in motion through the plastic viewing window when the side door is closed.



WARNING: Do not attempt to disable the front or side door auto-stop mechanisms as doing so may cause injury.

2.2 Electrical Safety

CAUTION: Connect the three-conductor plug to an North American standard 120 VAC outlet. Make sure the outlet is **grounded**.

WARNING: Turn off power and unplug unit before performing any service or maintenance on the *Wraptor*.

2.3 Warning Labels

The following warning label appears on the front of the unit:

Figure 1. Hazardous Moving Parts Label—Front of Unit

The following warning label appears on the inside cover of the unit:

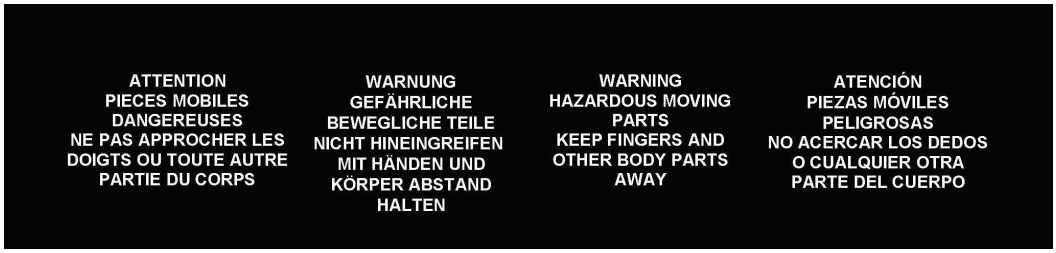


Figure 2. Hazardous Moving Parts Label—Inside Cover

Chapter 3 Component Locations

This section provides the locations and descriptions of the components that make up the *Wraptor*.

3.1 External Parts

The following figure shows the external parts located on the front of the *Wraptor*.

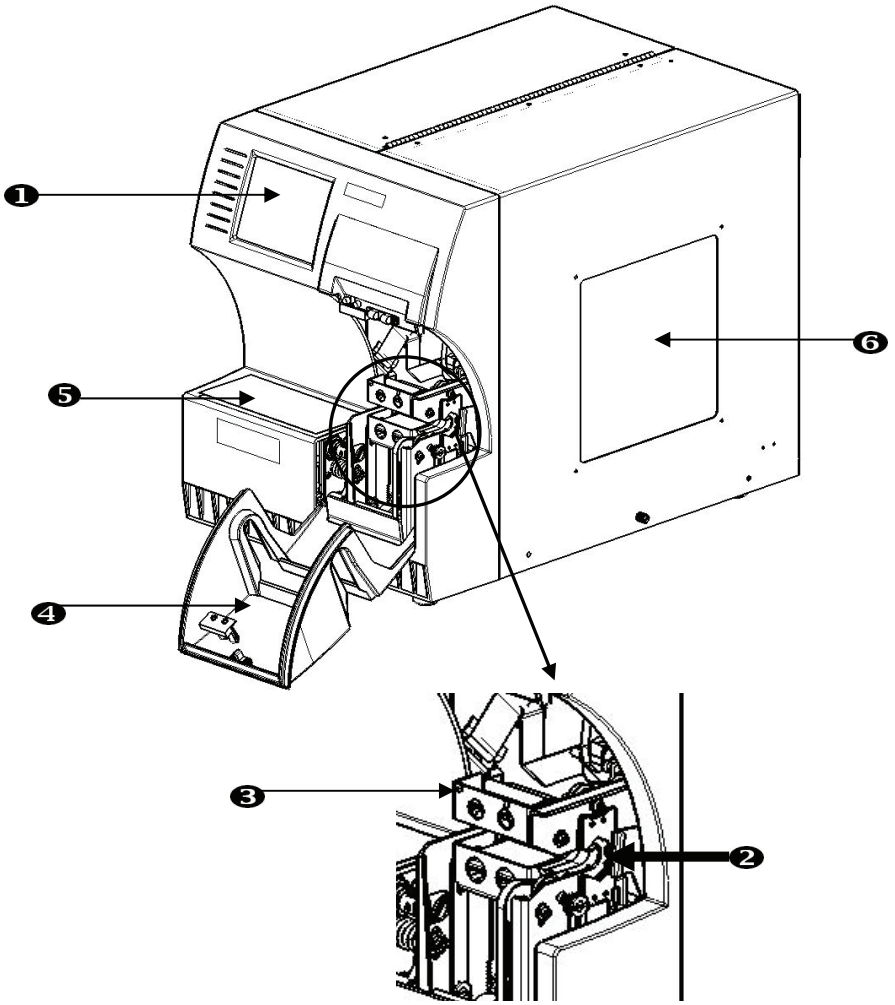


Figure 3. External Parts—Front

1. **Touch Screen**—Use the *Utility Menu* and *Control Panel* by touching this screen with your finger.
2. **Jaws**—The jaws hold the wire in place as the label is applied.
3. **Wrapper**—This is the mechanism that wraps a label around the wire.
4. **Front Door** —This clear plastic safety cover—shown in open position—protects the jaws of the unit. The unit is designed to automatically stop all moving parts when the front door is open.
5. **Hazardous Moving Parts Warning Label**—A label is affixed to the ledge on the front of the unit to warn users to keep fingers and body parts away from hazardous moving parts. The same label is also affixed to the inside cover of the unit:
6. **Viewing Window**—Allows you to view the material path while the *Wraptor* is running.

The following figure shows the external parts located on the back of the *Wraptor*.

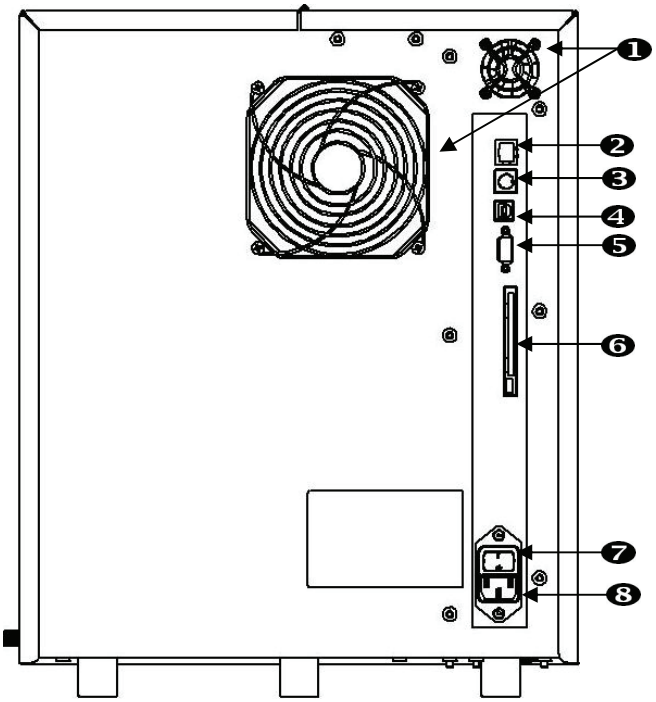


Figure 4. External Parts—Back

1. **Exhaust Fans**—The exhaust fans run continually when the *Wraptor* is powered on to keep operating components cool.
2. **Ethernet Connection**— Allows you to connect the *Wraptor* to a Local Area Network (LAN).
3. **Keyboard Connection**—Allows connection of a standard computer keyboard to the *Wraptor* (not used at this time).
4. **USB Port**—Allows you to connect the *Wraptor* to the computer's Universal Serial Bus.
5. **Serial Port**—Allows you to connect the *Wraptor* to a computer.
6. **PCMCIA Connection**—Allows connection of a PC Card Adapter so you can read/write to the CompactFlash Memory Cards.
7. **On/Off Switch**—Controls the main power to the unit.
8. **Power Inlet**—This connection uses an IEC60320 3-conductor cord with a NEMA 15 plug (N. American standard) and connects with a standard outlet supplying 120 VAC, 60 Hz power. Users in countries outside of North America may be required to supply their own power cord. See *Power Cord Specifications* on page *2*.

Chapter 4 Installation and Preparation

4.1 Initial Setup

This section provides information on installing and preparing the *Wraptor* for initial use. Follow these steps before creating and printing labels:

4.1.1 Unpack and Set Up the Wraptor Unit

Step 1. Unpack

WARNING: The Wraptor weighs 80 lbs. Get assistance to lift!

NOTE: Make sure the Wraptor box remains in the upright position at all times. Do not lay the box on its side.

1. The Wraptor comes in a cardboard box banded to a pallet. Cut the band.
2. Lift the top cover off the base.
3. Lift the Wraptor out of the protective foam surrounds and place the unit on a flat, level surface.

NOTE: Be sure to place the *Wraptor* unit on a flat, level surface that can easily support 125lbs.

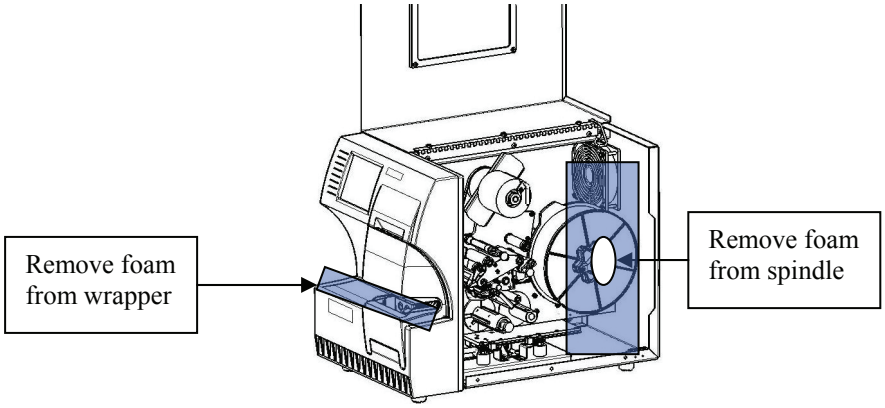
NOTE: Save all packaging materials! These will be needed if you must ship the Wraptor.

4. Remove the following additional items from the Wraptor box:
   - Wraptor Utilities CD containing the following:
     - Print Driver
     - File Management Utility (FMU) software
     - *Wraptor™ User's Guide*
     - *Wraptor™ Programmer's Guide*
     - Link to Product Registration
   - LabelMark CD
   - Power Cord
   - USB Cable

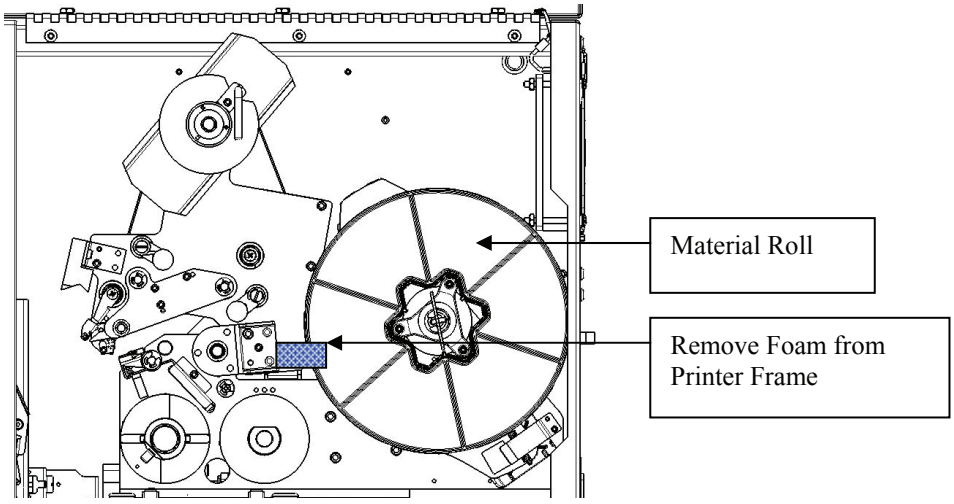
   The following items come pre-installed in the Wraptor:
   - Label Material (1" x 1.5")
   - Ribbon
   - CompactFlash® Memory Card

Step 2. Remove protective foam inserts

1. Remove protective foam insert from the wrapper.



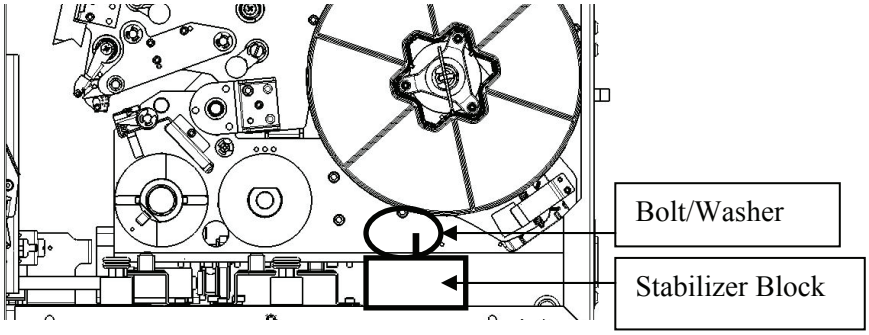
2. Open the side door, and remove protective foam covering from the material spindle.
3. Remove foam insert from underneath the right side of the printer frame. To do this:
   - Remove the material roll from the spindle.
   - Remove the foam insert.



   - Replace the material roll onto the spindle. Ensure that the touch memory cell is securely positioned in the reader clip. See *Put Label Material on Spool* on page *24* of this guide for instructions.

4. Remove the stabilizer block from underneath shuttle (slide) base plate. To do this:

   - Remove the ribbon from the feed spool. See *Load the Printer Ribbon* on page *27* of this guide for instructions.



   - Remove the stabilizer block bolt and washer.
   - Remove the stabilizer (white) block from underneath shuttle (slide) base plate.
   - Replace the ribbon onto the feed spool.
   - Close the side door.

4.1.2 Load Software on the Computer and Connect Wraptor

The Wraptor Utilities CD-ROM and LabelMark CD contain the applications necessary to create, print and manage your labels and label files:

- **LabelMark**—*LabelMark* allows you to create and format labels for a variety of industrial applications.
- **File Management Utility**—This application allows you to transfer label files between your computer, the *Wraptor* and the *Wraptor's* CompactFlash Memory Card.
- **Wraptor Printer Driver**—The printer driver allows your computer to print labels to the *Wraptor* unit.

Step 1. Install LabelMark on Your Computer

1. Insert the LabelMark CD into your CD drive. The install screen appears.

   If the install does not start automatically, select **Start → Run**, type **D:\setup.exe** and click **OK** (replace *D:* with your CD drive.)

2. Click **Install LabelMark**.
3. Follow the prompts on your screen.

NOTE: Refer to the *LabelMark User's Guide* for more information.

Step 2. Insert the Wraptor CD

Insert the enclosed *Wraptor Utilities CD-ROM* into your computer's CD Drive. The *Wraptor Installation Menu* appears:

Figure 5. Wraptor Installation Menu

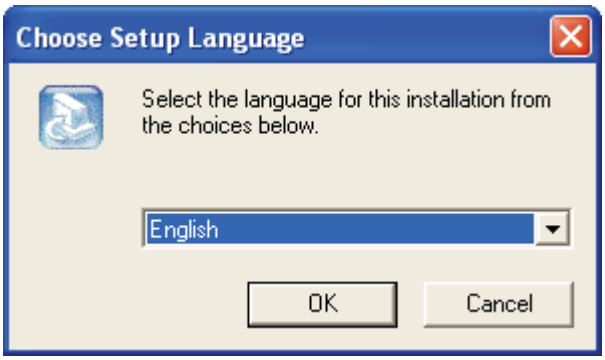
NOTE: If the CD does not start automatically: Click **Start → Run**, then type **D:\CDSETUP.exe** and click **OK** (where *D:* is your CD-ROM drive).

Step 3. Install the File Management Utility

Click **Install File Management Utility** on the *Wraptor Installation Menu* and follow the screen prompts.

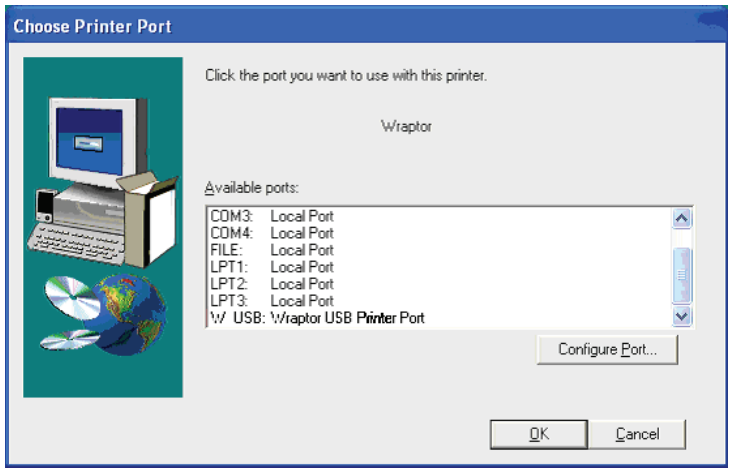
Step 4. Install the Wraptor Printer Driver

1. Click **Install Wraptor Printer Driver** on the *Wraptor Installation Menu*.
2. Select the language and click **OK**.



3. Select the port (Serial, USB or FILE) you want to install from the list of *Available ports*:

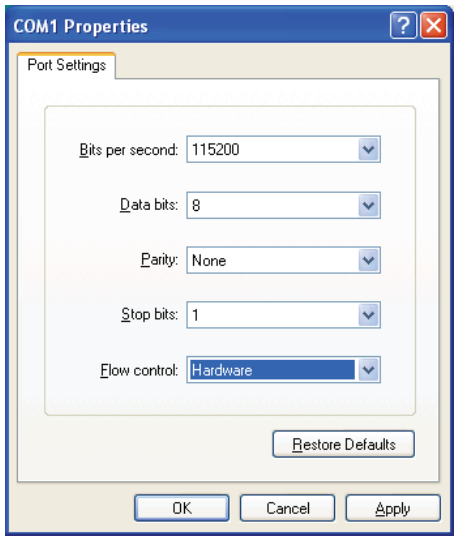
NOTE: If you will access the *Wraptor* via a Local Area Network (Ethernet/TCPIP), select **FILE** as the printer port.



4. If you selected as the port type:

   - A *USB port* or *FILE*, click **OK**.
   - A *serial* port, click **Configure Port…**, set the values as shown below, click **Apply** and then click **OK**.

NOTE: If you are connecting your computer to the *Wraptor* with a serial cable, you **must** configure the port or the computer will not be able to communicate with the *Wraptor*.



5. Next a dialog will prompt you to reboot the computer.

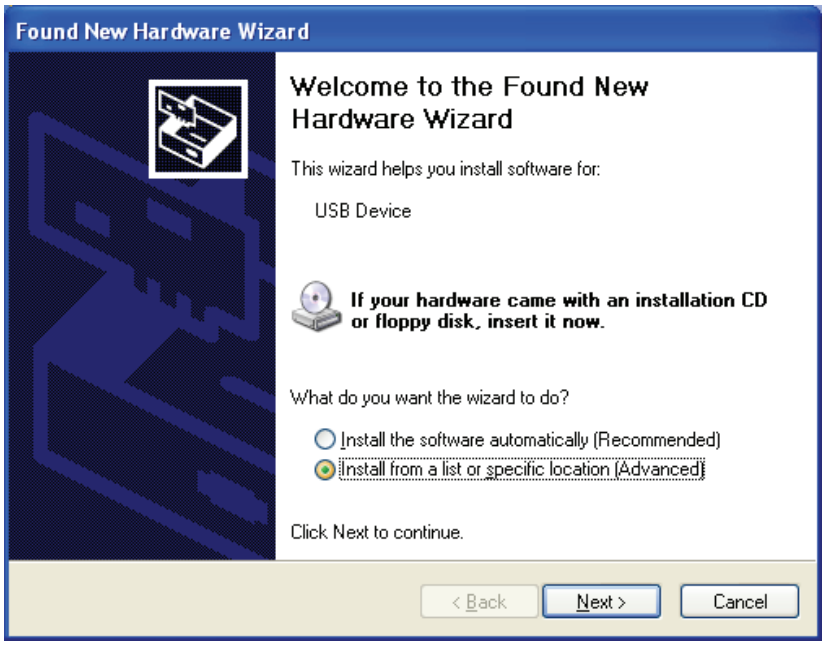
   Select **Yes** and **Finish** to reboot the computer and complete the installation. Then, complete the appropriate configuration step below to finalize the printer driver installation.

Step 5. Install the USB Driver and Configure for USB Operation

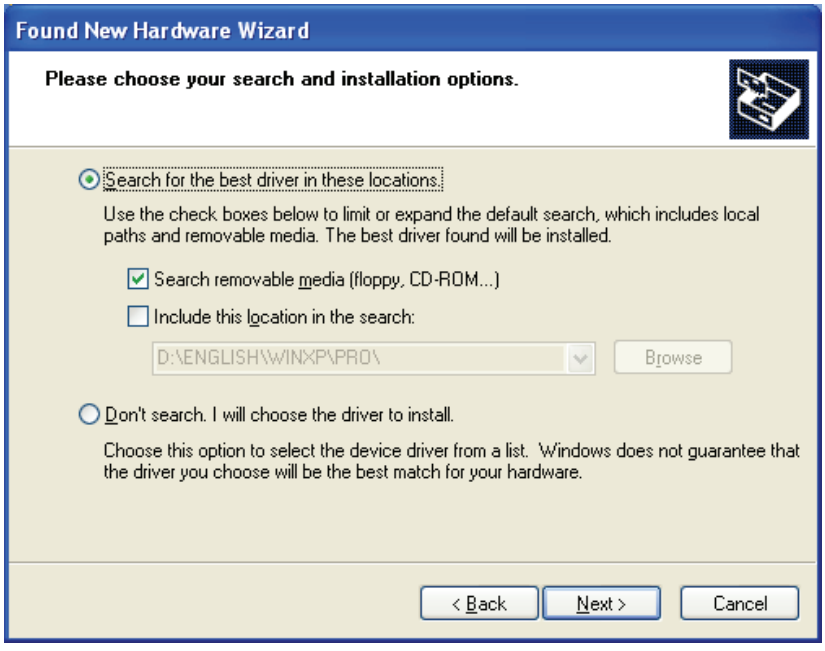
This step describes how to install the USB driver and configure the computer and *Wraptor* to communicate via a USB cable (for *Windows XP* and *Windows 2000*). If you are not using a USB cable, skip this step.

For Windows XP:

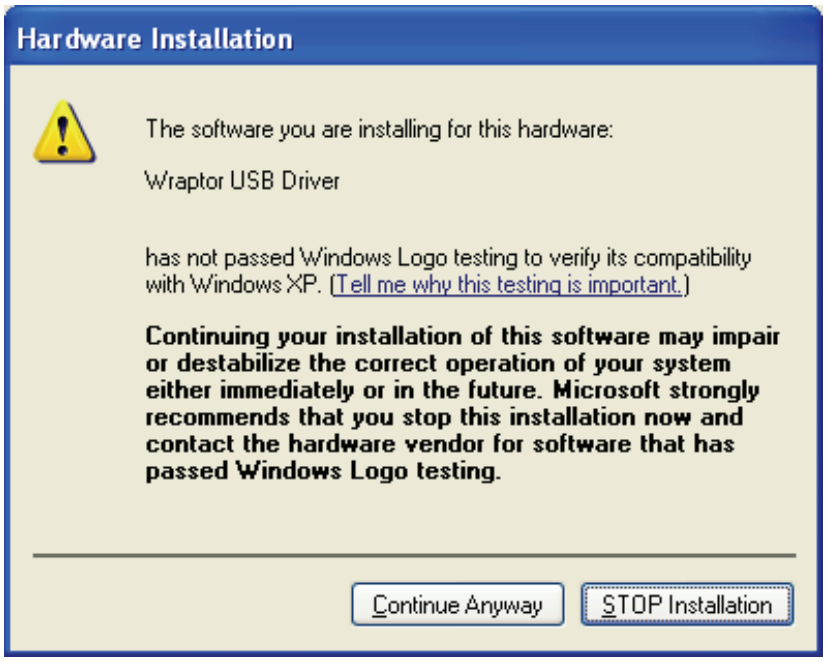
1. Plug the provided USB cable into the computer and the Wraptor unit.
2. Turn the printer on. The **Found New Hardware Wizard** will appear. Select *Install from a list or specific location*. Click **Next**.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
USB Device
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

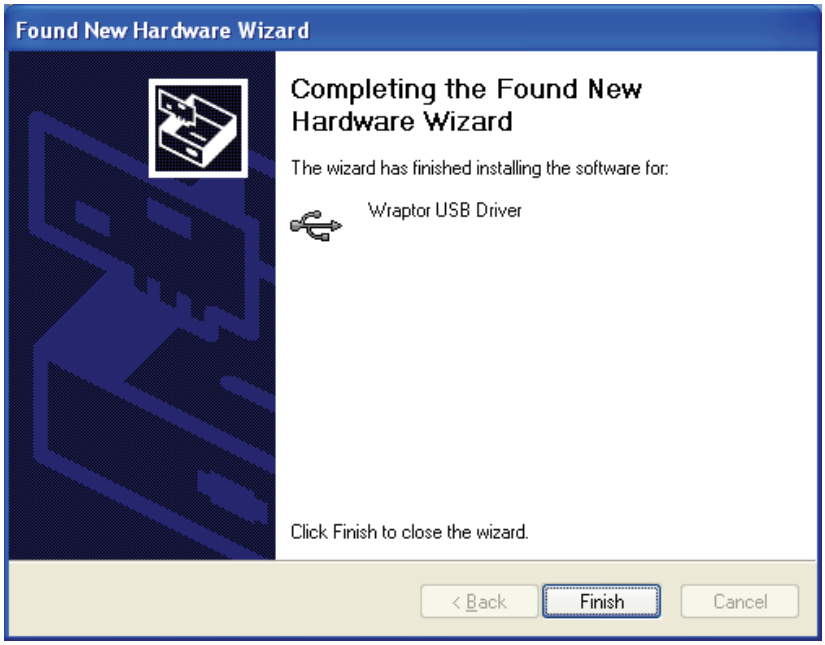
3. Select *Search for the best driver in these locations*. Check the *Search removable media* box. Click **Next**.


Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Search removable media (floppy, CD-ROM...)
Include this location in the search:
D:\ENGLISH\WINXP\PRO\
Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

4. The Wizard will search for the driver files on the CD. Click **Continue Anyway**.


Hardware Installation
The software you are installing for this hardware:
Wraptor USB Driver
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

5. Click **Finish**.



6. On the Wraptor Control Panel:
   - Select the **CONFIG** tab.
   - Select **USB** as the *Connection Type*.

The *Wraptor* is ready to print and wrap via the USB connection.

For Windows 2000:

1. Plug the provided USB cable into the computer and the Wraptor unit.
2. Turn the printer on. The **Found New Hardware Wizard** will appear. Click **Next**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

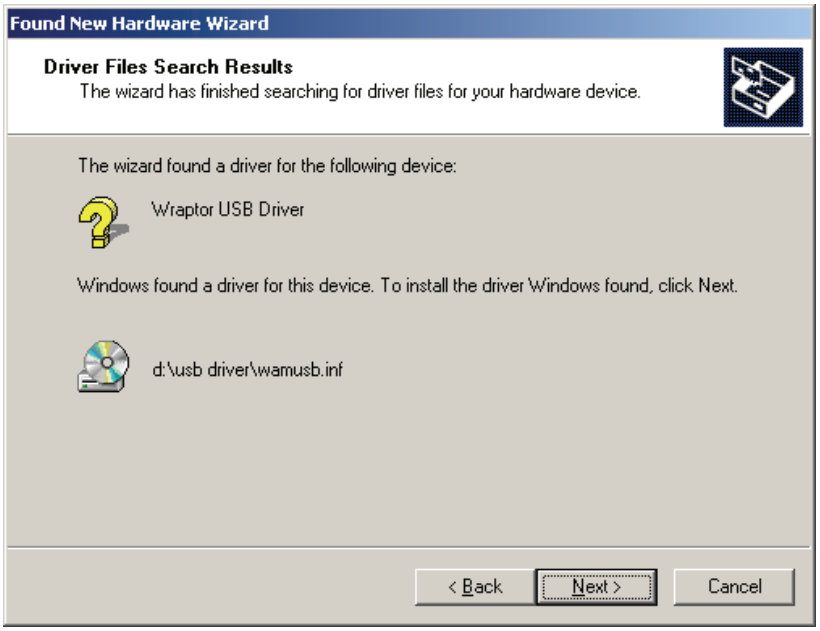
3. Select *Search for a suitable driver for my device*. Click **Next**.

Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
USB Device
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

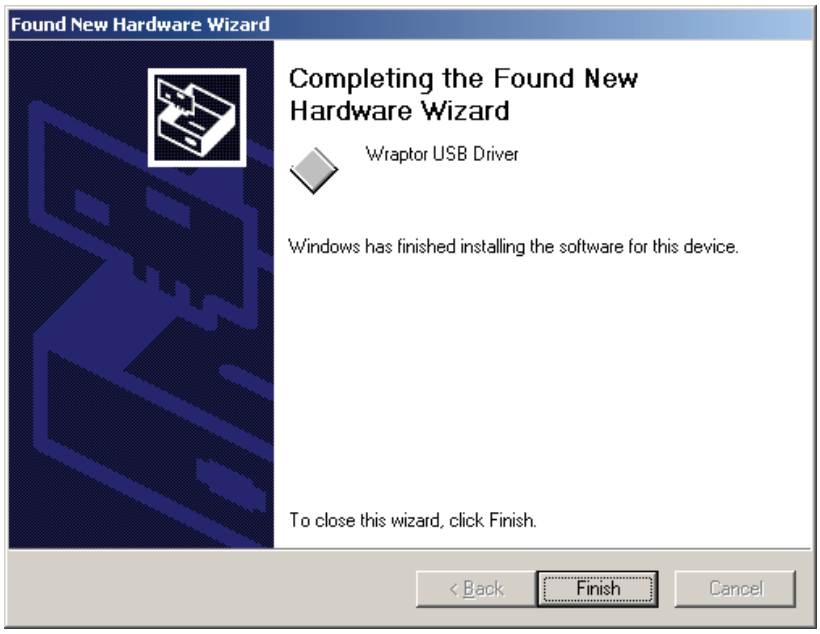
4. Check the **CD-ROM drives** box. Click **Next**.

Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Wraptor USB Driver
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

5. Click **Next**.


Found New Hardware Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Wraptor USB Driver
Windows found a driver for this device. To install the driver Windows found, click Next.
d:\usb driver\wamusb.inf
< Back
Next >
Cancel

6. Click **Finish**.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
Wraptor USB Driver
Windows has finished installing the software for this device.
To close this wizard, click Finish.
< Back
Finish
Cancel

7. On the Wraptor Control Panel:
   - Select the **CONFIG** tab.
   - Select **USB** as the *Connection Type*.

The *Wraptor* is ready to print and wrap via the USB connection.

Step 6. Configure for Serial Operation

This step describes how to configure the computer and *Wraptor* to communicate via a serial cable. If you are not using a serial cable, skip this step.

NOTE: You must complete the *Install the Wraptor Printer* Driver procedure on page *11* before configuring the printer driver for serial operation.

1. Connect the computer to the *Wraptor* with a *DB9 female to DB9 male straight through cable*.
2. On the *Wraptor Control Panel*:
   - Select the **CONFIG** tab.
   - Select **Serial** as the *Connection Type*.

NOTE: Remote control uses the serial port to communicate with the *Wraptor*. Therefore, the *Connection Type* cannot be *Serial* when remote control is in use.

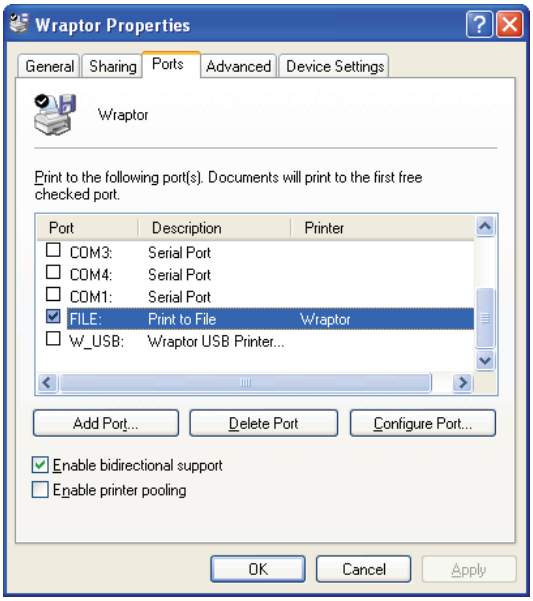
The *Wraptor* is ready to print and wrap via the serial connection.

Step 7. Configure for Ethernet (TCPIP) Operation

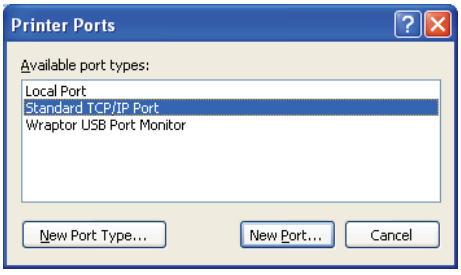
This step describes how to configure the computer and *Wraptor* to communicate via an Ethernet (TCPIP) connection. If you are not using a local area network, skip this step.

NOTE: You must complete the *Install the Wraptor Printer* Driver procedure on page *11* before configuring the printer driver for Ethernet (TCPIP) operation.

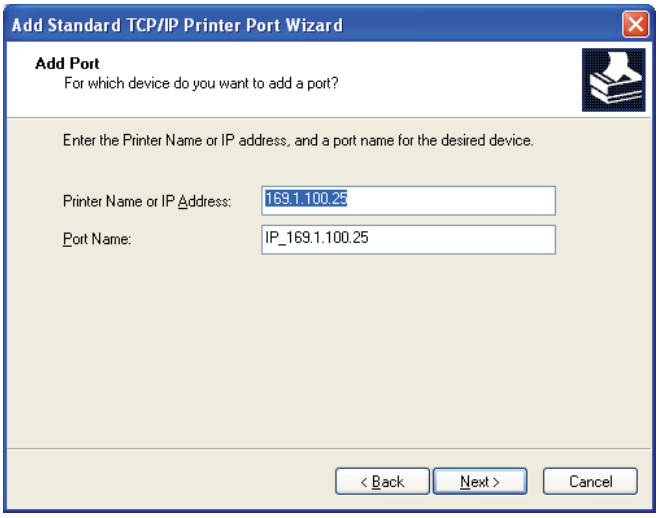
1. Connect the computer to the LAN and connect the *Wraptor* to the LAN.
2. Power the *Wraptor* on.
3. Select **Start → Settings → Printers**.
4. Right-click on the **Wraptor** icon. The *Wraptor Properties* dialog appears.
5. Click the **Ports** tab.



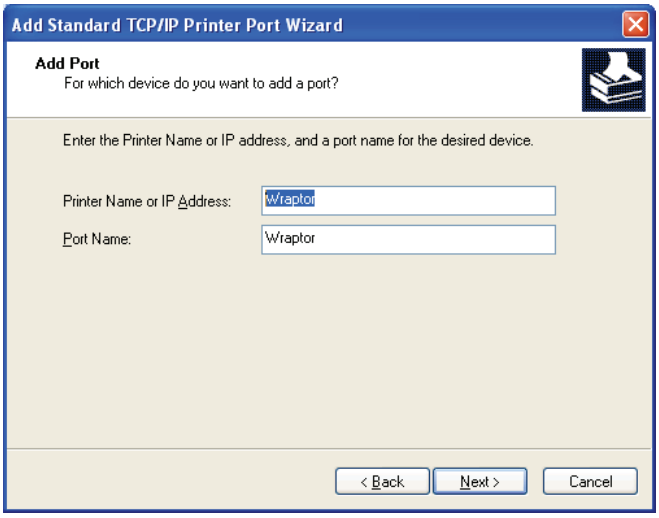
6. Click the **Add Port…** button.
7. Select **Standard TCP/IP Port** from *Available port types* list, click **New Port…** and then click **Next**.



8. Enter the *Printer Name or IP Address* and click **Next**.
NOTE: The *Port Name* fills in automatically.

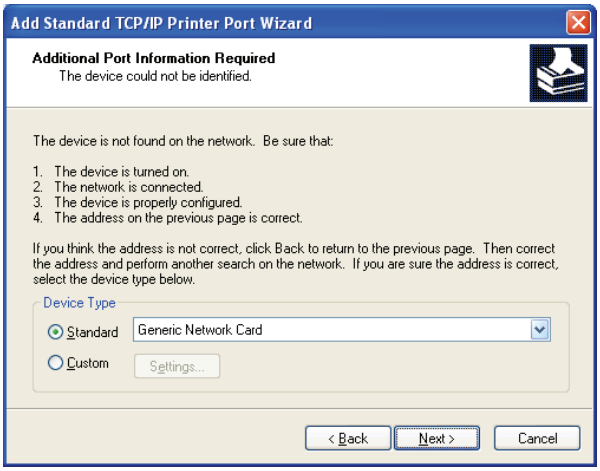

Add Standard TCP/IP Printer Port Wizard
Add Port
For which device do you want to add a port?
Enter the Printer Name or IP address, and a port name for the desired device.
Printer Name or IP Address:
169.1.100.25
Port Name:
IP_169.1.100.25
< Back
Next >
Cancel

IP Address Option


Add Standard TCP/IP Printer Port Wizard
Add Port
For which device do you want to add a port?
Enter the Printer Name or IP address, and a port name for the desired device.
Printer Name or IP Address:
Wraptor
Port Name:
Wraptor
< Back
Next >
Cancel

Printer Name Option

9. Select the **Standard Device Type** option and **Generic Network Card** from the list and click **Next**.


Add Standard TCP/IP Printer Port Wizard
Additional Port Information Required
The device could not be identified.
The device is not found on the network. Be sure that:
1. The device is turned on.
2. The network is connected.
3. The device is properly configured.
4. The address on the previous page is correct.
If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.
Device Type
Standard
Generic Network Card
Custom
Settings...
< Back
Next >
Cancel

10. Click **Finish** and then click **Close** twice to exit the *Printer Ports* and *Wraptor Properties* dialog boxes.
11. On the *Wraptor Control Panel*:
    - Select the **CONFIG** tab and select **TCP** as the *Connection Type*
    - If you entered a *fixed IP address* in the printer driver (step 8):
      - Select the **IP** tab
      - Select the **Specify IP Address** option
      - Select the **Enter IP Number…** button
      - Enter the same *IP address* you entered earlier
      - Select the **OK** button
    - If you entered a *printer name* in the printer driver (step 8):
      - Select the **Obtain DHCP Address** option
      - Type the same *printer name* you entered earlier in the *Name:* field of the *IP tab*
      - Press the **Enter DNS Number…** button
      - Enter the *DNS Server* or *WINS Server*
      - Select the **OK** button

The *Wraptor* is ready to print and wrap via the Ethernet/TCPIP connection.

4.1.3 Power Up the Wraptor

Step 1. Connect Unit to Power

1. Obtain a suitable alternate power cord if outside of North America. See *Power Cord Specifications* on page *2* for appropriate substitutes.
2. Connect the power cord to the back of the *Wraptor* and into the outlet.

CAUTION: Make sure the outlet is **grounded**.

Step 2. Power Unit ON

If you haven't already done so, power on the *Wraptor* unit. The touch screen automatically initializes and the *Wraptor Control Panel* screen appears. See *The Wraptor Control Panel* on page *33* of this guide for details.

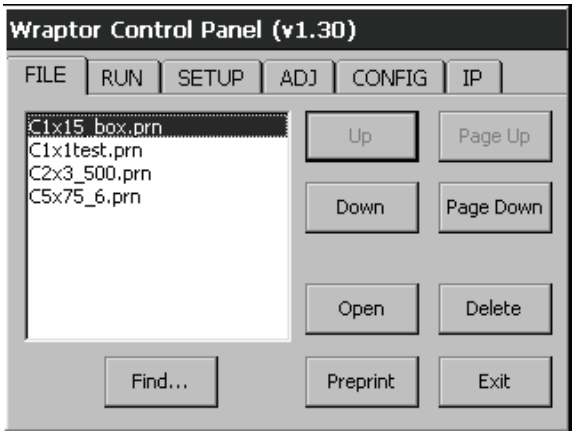


Figure 6. Wraptor Control Panel

Complete the *Load Label Material* and *Load the Printer Ribbon* steps to prepare the *Wraptor* for printing/wrapping.

4.2 Load Label Material

Follow the steps below to load label material in the *Wraptor* unit. Use the material path shown below as your guide:

The following figure shows the *Wraptor*'s material path. The material path is the route a roll of labels takes through the printer. Open the side cover of the *Wraptor* unit to see the material path.

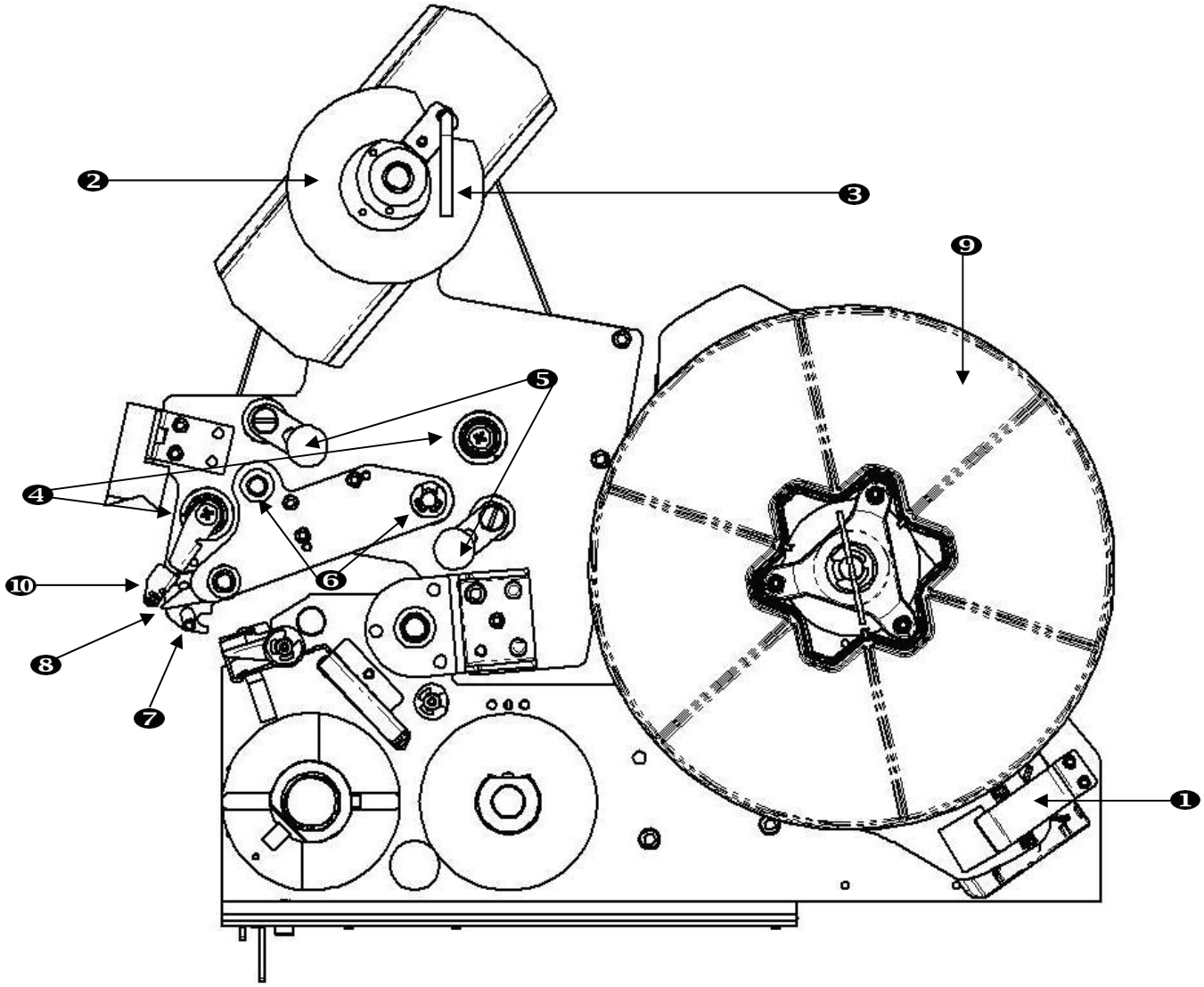


Figure 7. Material Path Parts

1. Material Reader
2. Label Take-Up Spool
3. Label Take-Up Spool Handle
4. Guide Rollers
5. Nip Rollers
6. Drive Rollers
7. Optic Sensor Bar
8. Peel Plate
9. Label Roll
10. Label Deflector

Step 1. Initiate Label Load in Control Panel

From the *Wraptor Control Panel*, select **SETUP → LOAD LABELS**.

NOTE: The print/wrap assembly automatically slides back for easy access during the material loading process.

Step 2. Open the Wraptor Unit

Lift the side door of the *Wraptor* unit.

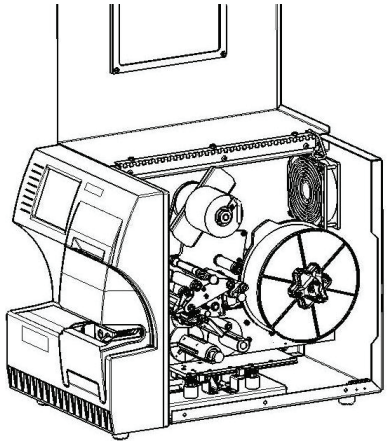


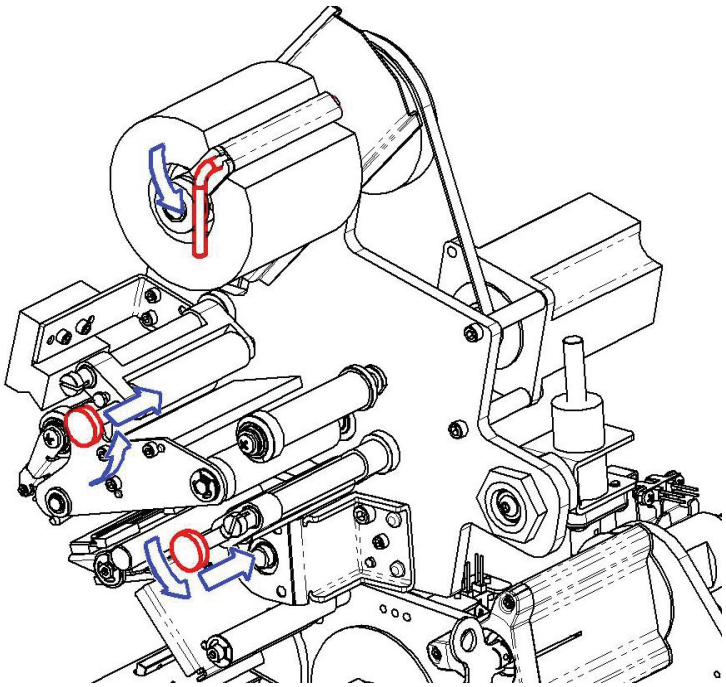
Figure 8. Wraptor with Side Door Open

NOTE: Material threading instructions are also located on the inside of the side door.

Step 3. Open Rollers

WARNING
The take-up reel motor is active when the side door is open.
KEEP FINGERS AND OTHER BODY PARTS AWAY

- Open the take-up spool handle (turn counter-clockwise)
- Open the nip rollers:
  - Open the left roller by swinging it up and then pushing in
  - Open the right roller by swinging it down and then pushing in

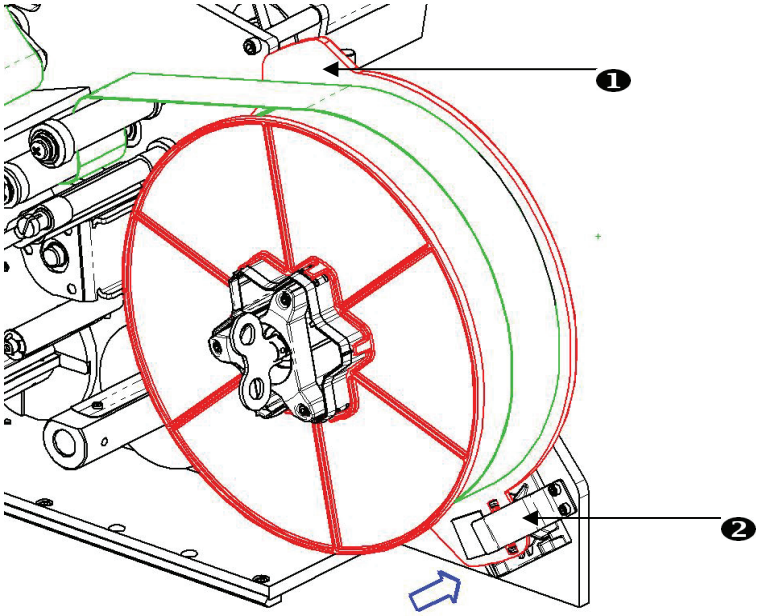


Step 4. Remove Previously Used Material

- If material is currently loaded, remove it.
  - Open the label take-up spool handle.
  - Open the nip rollers.
  - Use a scissors to cut the label material between the liner and remaining labels. You may leave about 8” of liner on the roll for future threading.
  - Remove the used liner from unit and discard.
  - Remove the remaining label roll from unit.
  - Use tape to secure the end of the label roll. Be careful not to let the material spool unwind from the core.

Step 5. Put Label Material on Spool

- Place the label roll on the spool
- Turn flange counter-clockwise to rotate the label roll so the touch memory cell is ***securely*** positioned in the reader clip



1. Flange
2. Reader Clip

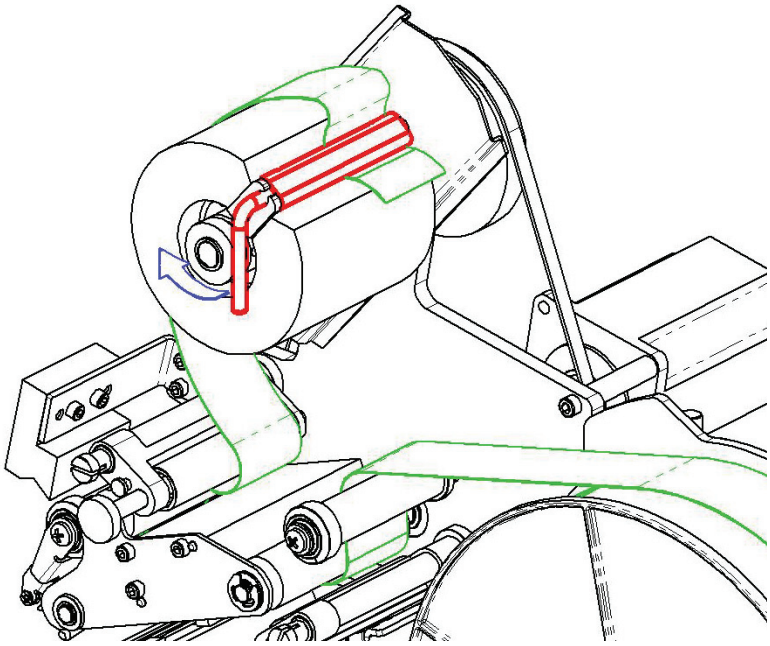
Step 6. Thread Labels

Thread the label:

- Over the first guide roller
- Under the first drive roller and over the first nip roller
- Above the optic sensor bar
- Lift the label deflector and thread the material between the peel plate and deflector. Continue to thread the label:
- Under the second guide roller and over the second drive roller
- Under the second nip roller

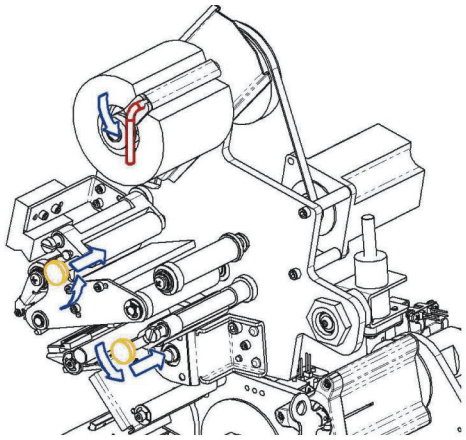
Step 7. Thread Labels Under Take-Up Bar

- Thread the labels under the take-up bar.
- Close the take-up spool handle (turn clockwise).
- Rotate the take-up spool to remove slack.



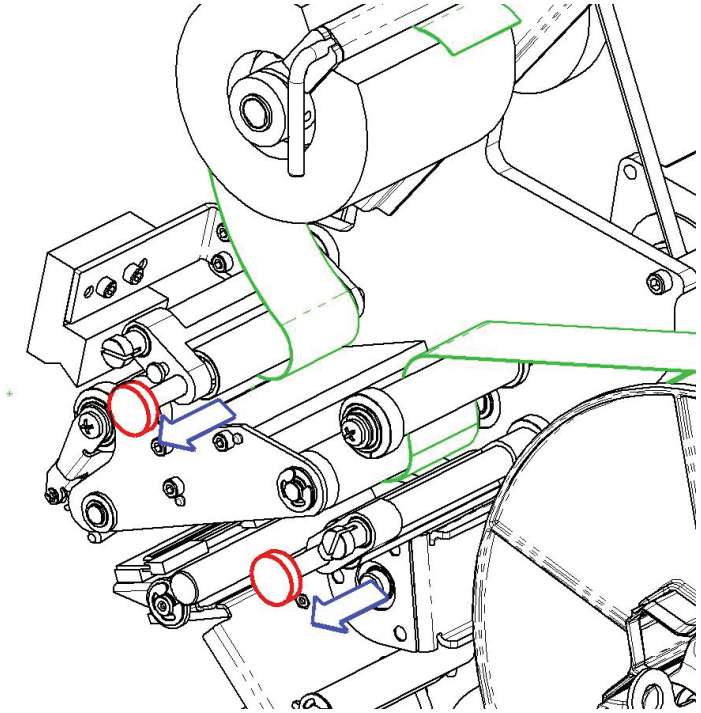
Step 8. Adjust Guide Rollers

- Be sure labels are up against the far side of the rollers.
- Position guide rings snug to the label liner.



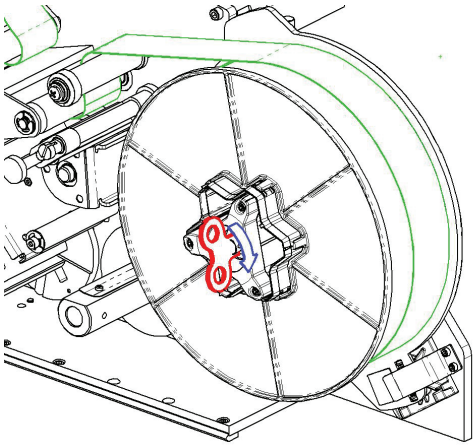
Step 9. Close Nip Rollers

Pull out and snap closed.



Step 10. Tighten With Key

Turn spool key clockwise to remove slack.



Step 11. Feed a label

Press the **Feed Label** button on the *Wraptor Control Panel* until a label dispenses.

IMPORTANT: Be sure to remove the dispensed label. Failure to do so will jam the print mechanism.

Step 12. Close the Wraptor Unit

Close the side door of the *Wraptor* unit.

Step 13. Place the Wraptor online

Press the **Online** button on the *Wraptor Control Panel* to prepare the *Wraptor* to print.

This shuttles the print/wrapper mechanism forward and tilts the print head closed.

4.3 Load the Printer Ribbon

Follow the steps below to load a ribbon in the *Wraptor* unit. Use the ribbon path shown below as your guide:

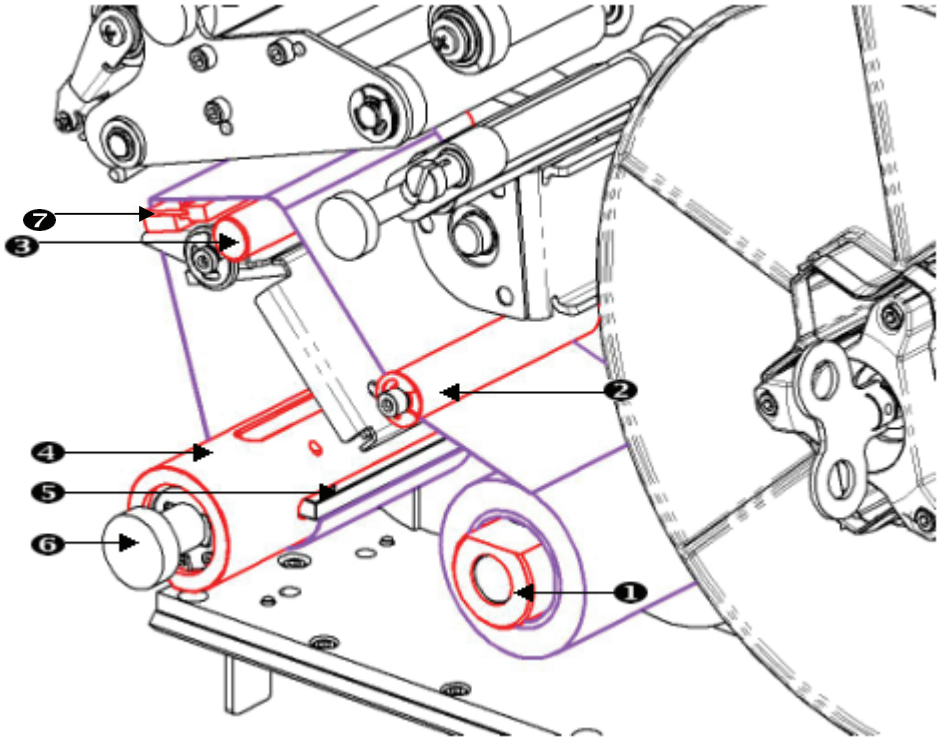


Figure 9. Ribbon Path Parts

1. Feed Spool
2. Guide Roller
3. Guide Bar
4. Take-up Spool
5. Clip
6. Take-up Spool Knob
7. Printhead

Step 1. Initiate Ribbon Load in Control Panel

From the *Wraptor Control Panel*, select **SETUP → LOAD RIBBON**.

Step 2. Open the Wraptor Unit

Lift the side door of the *Wraptor* unit.

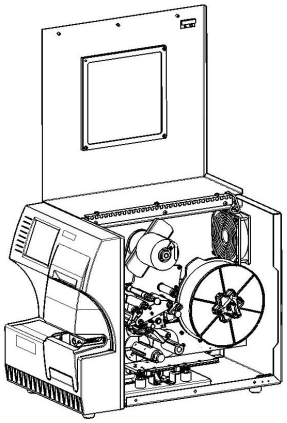


Figure 10. Wraptor with Side Door Open

Follow the steps below to load the ribbon.

NOTE: Ribbon threading instructions are also located on the inside of the side door.

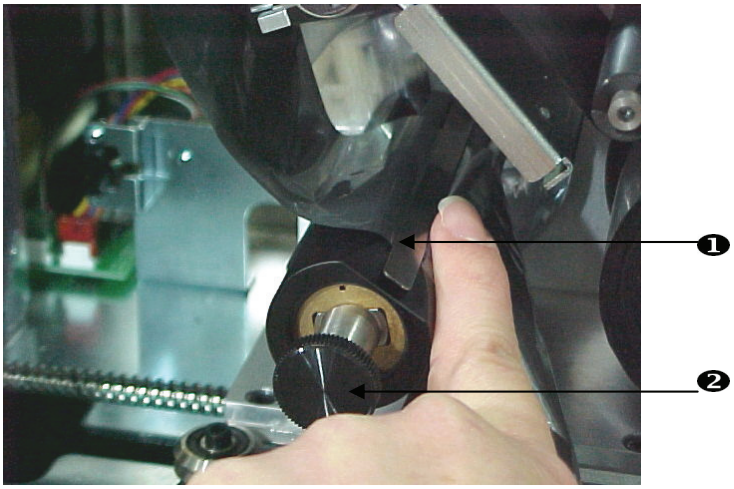
Step 3. Remove the Old Ribbon

If ribbon is currently loaded, remove it:

- Cut the ribbon between the guide bar and take-up spool.
- Hold the edge of the take-up spool while turning the knob clockwise until it stops.
- Pull the take-up spool knob to remove the used ribbon from the take-up spool and discard.
- Re-engage the take-up spool by pushing it in all the way until the knob auto-rotates back to its original position. **Failure to re-engage the take-up spool will make it difficult to remove the old ribbon next time**!
- Remove remaining ribbon, if any, from the feed spool.
- Use tape to secure the end of the ribbon roll.

Step 4. Thread Ribbon

- Place the ribbon roll on the feed spool.
- Thread the ribbon under the guide roller and over the guide bar and printhead.
- Feed ribbon under the clip as shown below until approximately ¼" of ribbon is past the clip.
- Turn the take-up spool knob counter-clockwise until the ribbon is wrapped around the take-up spool several times to ensure that it won't unravel.



1. Ribbon Clip
2. Ribbon take-up spool

Step 5. Close the Wraptor Unit

Close the side door of the *Wraptor* unit.

Step 6. Place the Wraptor online

Press the **Online** button on the *Wraptor Control Panel* to prepare the *Wraptor* to print.

Chapter 5 General Operation

This section provides an overview of the *Wraptor* operation process.

5.1 Creating, printing and wrapping labels

The *Wraptor* works in conjunction with your computer and software applications included with the unit. The process flow is as follows:

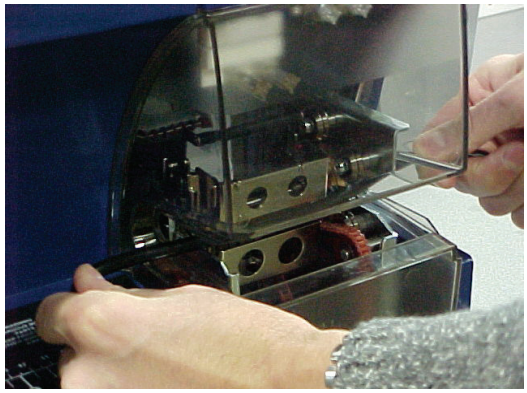
On your computer:

1. Design labels on your computer using Brady's *LabelMark* software.
2. Print your completed labels to the *Wraptor* printer with the Print command.

On the Wraptor printer:

1. *Open* the print file you want to work with on the *Wraptor Control Panel's File* tab.
2. Physically insert a cable/wire into the *Wraptor* jaws to print/wrap or wrap a label.

WARNING: The wrapper mechanism contains HAZARDOUS MOVING PARTS KEEP FINGERS AND OTHER BODY PARTS AWAY



NOTE: Be sure to hold the wire straight and tight during the wrapping process.

CAUTION: The maximum wire diameter that can be used in *Wraptor*™, INCLUDING the wire's outer jacket, is 0.600". Exceeding this diameter will jam and potentially damage the machine. If a wire diameter less than 0.060" (including wire jacket) is used, the label will not wrap successfully.

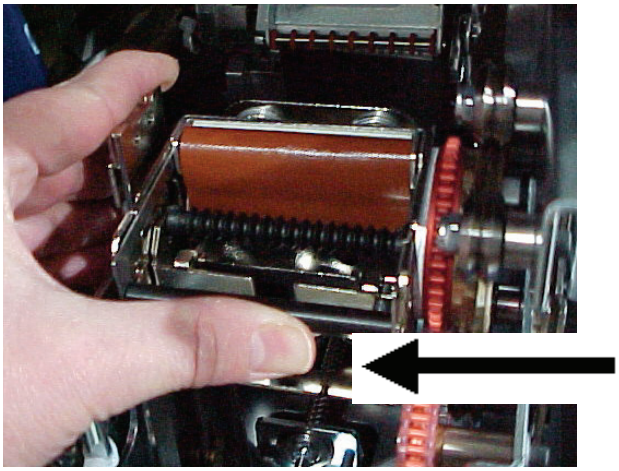
5.1.1 Wrap Quality

Please heed the following tips as not doing so may effect the quality of your wrap:

- Make sure to hold the wires tight and straight during wrapping. Kinked or curved wire may cause spiraling or bubbling.
- Make sure to use the correct size label for the wire you intend to wrap.
- Do not use wire jackets with greasy coatings or the label will not wrap properly.
- Inspect the peel plate area—especially below—to ensure there are no stuck labels.
- Clean rollers to ensure that there is no adhesive build-up. See *Cleaning* on page *57* of this guide for cleaning and maintenance recommendations.

Adjustment for Wire Bundles

You will sometimes (not always) need to adjust the wrapper for wire bundles. This will most likely be necessary when the bundle contains large wires. To do this:



1. Press the **Load Labels** button on the *Setup* tab menu. This shuttles the printer to the "shuttle-back" position.
2. Power off and unplug the *Wraptor*.

WARNING: You must power off and unplug the *Wraptor* prior to performing any cleaning or maintenance!

3. Open the front (clear) door on the *Wraptor*.
4. Unscrew the #8-32 socket head cap screw as necessary to retract the roller enough to accommodate the wire bundle.
5. Close the front door.
6. Wrap the large wire bundles.

CAUTION: You must re-screw the #8-32 socket head cap screw to bring the roller back out before attempting to wrap other wires. The roller must be brought back out **completely** in order run in normal operating mode. Failure to do so will compromise wrap quality.

5.1.2 Print details

When you "print" your labels to the *Wraptor*, the computer creates a print file:

- Print files are saved with the *LabelMark* file name and a PRN extension.
- The PRN file contains all the information necessary to print your labels.
- PRN files can be stored in the *Wraptor's* internal memory, on your computer's hard drive or on the *Wraptor's* CompactFlash Memory Card.
- The *Wraptor* unit does not immediately print the labels, you must select the print file on the *Wraptor Control Panel* before performing the printing and wrapping processes.

If your computer is connected to the *Wraptor* with a Serial, USB, or Ethernet (TCP) connection, "printing" sends the print file directly to the *Wraptor* unit.

If your computer is not connected to the *Wraptor*, you can print your labels to a file on the computer and then transfer it to a CompactFlash Memory Card with the *File Management Utility*.

5.1.3 Managing print files

Wraptor can keep approximately 30 print files in its internal memory depending on the label file size.

Use the File Management Utility to:

- Move print files between the computer, the *Wraptor* and CompactFlash Memory Cards.
- Delete print files you no longer need.

5.2 Using the Touch Screen

The *Wraptor* includes a touch screen that you use to control the unit. Touch the screen with your finger to make a selection from the menus.

NOTE: Do not use a writing pen or other sharp object. Doing so may mar the touch screen surface.

NOTE: If you are having difficulty selecting items on the touch screen, see the *Calibrate Touch Screen Command* section on page *49*.

5.3 The Wraptor Control Panel

You control the *Wraptor* through the touch screen *Control Panel*. When you turn the *Wraptor* unit on, the touch screen initializes itself and the *Wraptor Control Panel* appears:

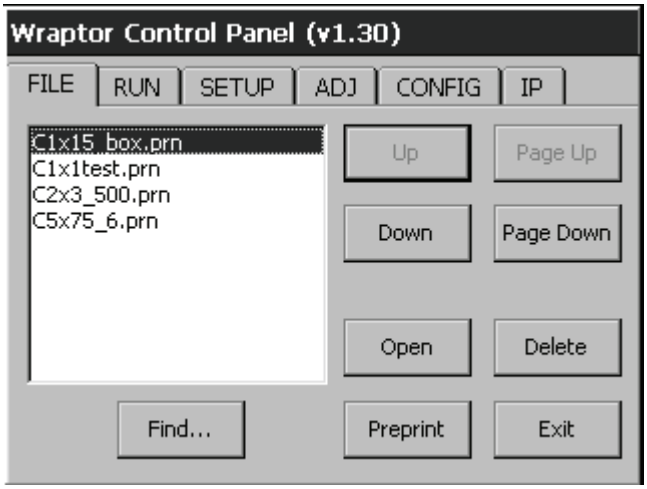


Figure 11. Wraptor Control Panel on the Touch Screen

The *Control Panel* has six tabs with printer-related commands: File, Run, Setup, Adj, Config and IP. Press a tab or button on the touch screen with a finger to select it.

The following sections provide information on the tabs and their commands.

5.3.1 File Tab Commands

The *File* tab allows you to open and delete print files. You can also use the *File* tab to wrap preprinted labels. The following table shows the command buttons found under the *File* tab with their corresponding uses.

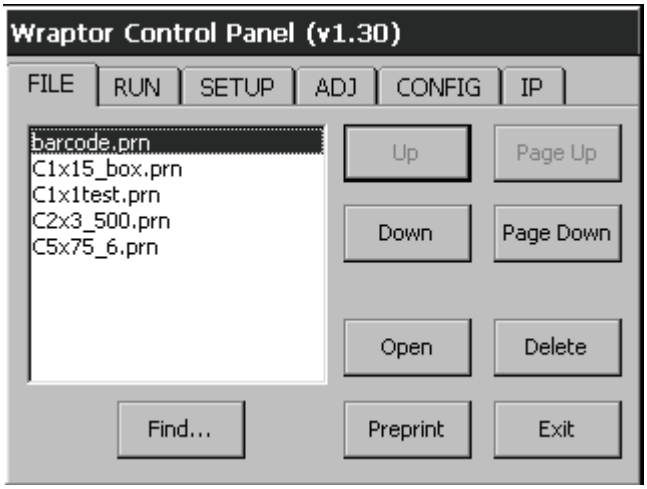


Figure 12. File Tab Menu

NOTE: Print files (PRN) are stored in the *Wraptor's* internal memory and on CompactFlash Memory Cards. See information on the *Configuration* tab to learn how to switch locations.

Button	Description
Up, Down, Page Up, Page Down	Use to highlight a print file in the list.
Open	Use to launch the highlighted file and begin printing/wrapping labels. The open command reads the print file and displays its first label in the *Run* tab.
Preprint	Use for pre-printed labels – *Wraptor* wraps but does not print the labels. The word *PREPRINT* is displayed in the *Run* tab.
Find…	Use to find a label file when there a lot of files in the list.
Delete	Use to remove the highlighted file from the *Wraptor* internal memory. *Wraptor* displays a message box to confirm the deletion.
Exit	Use to leave the *Wraptor Control Panel* and display the *Utility Menu*. The *Utility Menu* allows you to upgrade the system software, calibrate the touch screen, and change languages.

Open Command

The *Open* command ensures that the file selected to be opened is a valid print file and compares the label type embedded in the file with the label material currently loaded in the *Wraptor* printer. If the wrong label material is loaded in the printer, a message displays similar to the one shown in *Figure 13*.

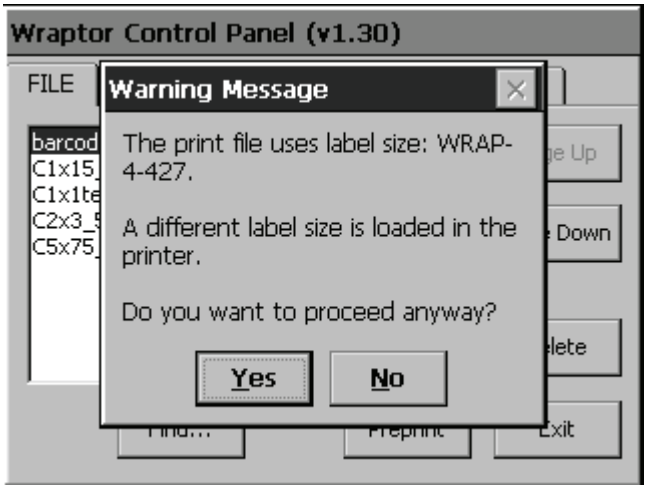


Figure 13. Label Mismatch Warning Message

Press **Yes** to continue the print/wrap operation and **No** to cancel the operation.

CAUTION: Use caution when overriding this warning message. The label size loaded in the printer may not be appropriate for the print file and will generate scrap.

5.3.2 Run Tab Commands

The *Run* tab menu allows you to set the label to be wrapped (see *Figure 14*). This menu displays the current label, allows you to move to a different label and provides status information about the printing/wrapping process.

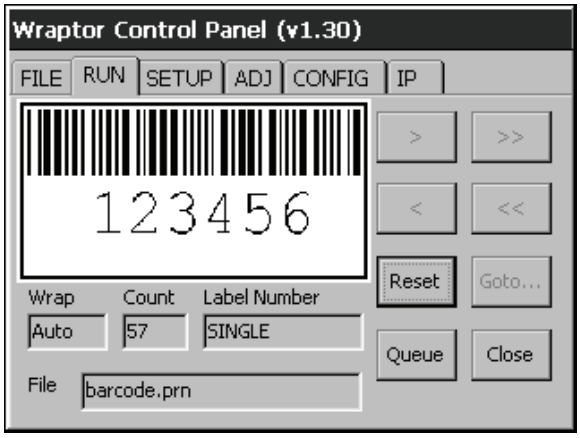


Figure 14. Run Tab Menu

The following table describes the *Run* tab command buttons and status fields:
NOTE: The "go to" buttons are disabled if the print file only contains one label.

Button	Description
>	Goes to the next label.
<	Goes to the previous label.
>>	Goes to the last label in the file.
<<	Goes to the first label in the file.
Goto…	Prompts for the label number to jump to.
Reset	Sets the *Count* (number of labels wrapped) to zero.
Queue	Open the job queue dialog.
Done	Press this button to close the current label file and then open the next one in the queue.
Wrap	Shows the operating mode of the printer: Auto or Manual. See *Config Tab Commands* on page *42* for details.
Count	Displays the number of labels wrapped.
Label Number	Displays the position in the label file. If the print file only contains one label this field displays *SINGLE*.
File	The currently open label file.

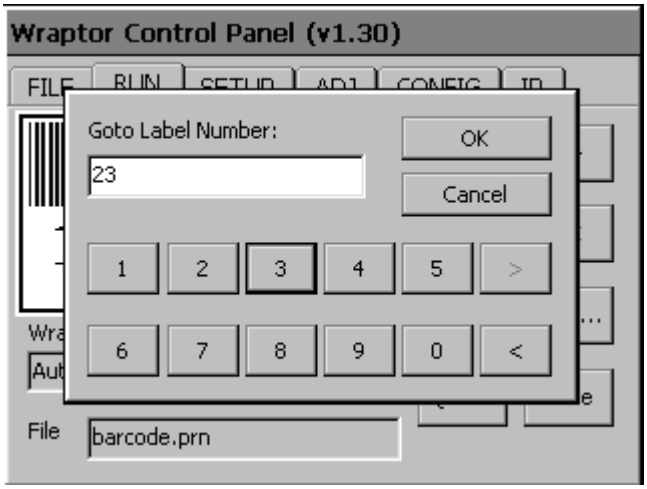


Figure 15. Goto… Dialog

Use the *Goto*…option to jump to a specific label number within the current label file. Use the touch screen buttons to select the label number, then press **OK** to go to the specified label. **NOTE:** The *Goto…* option is only available if there is more than one label in a file.

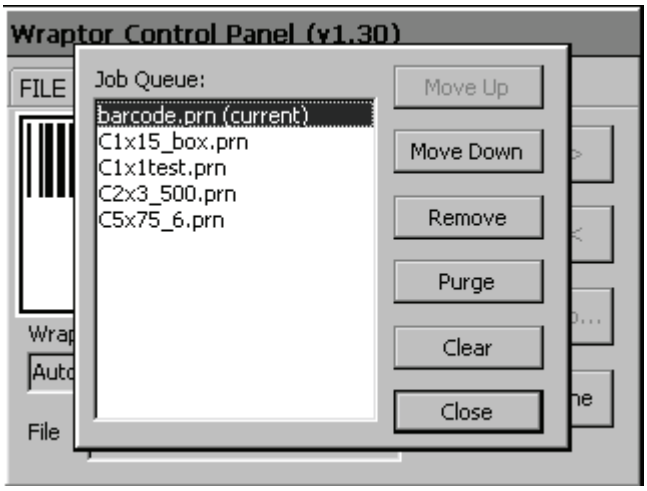


Figure 16. Job Queue… Dialog

The *Job Queue* dialog allows manipulation of the files within the job queue, which is a list of *Wraptor* print files that will be printed sequentially. See *Auto Open Options* on page *42* to configure job queue behavior. The following table (next page) describes the *Job Queue* command buttons:

Button	Description
Move Up	Moves the selected print job up one position in the queue. Any job moved to the top of the queue, other than the current job, will be opened when the job queue dialog is closed.
Move Down	Moves the selected print job down one position in the queue. If the current job is moved down, it will be closed and the top job will be opened when the job queue dialog is closed.
Remove	Removes the selected job from the job queue, but does not delete the print file from the *Wraptor*.
Purge	Removes and permanently deletes all jobs from the job queue.
Clear	Removes all jobs from the job queue.
Close	Closes the dialog and opens the job at the top of the queue if it is not the current job.

Opening a file using a barcode scanner

You can open print files from the Run tab by scanning a barcode containing the name of a print job. The barcode must contain the name of the print job, with or without the .prn extension, followed by a carriage return (the carriage return can either be part of the barcode or added as a suffix by the scanner).

Note: The *Code Reader 2* scanner using a PS2 configuration is recommended for this feature. The Code Reader 2 is available from Brady.

Set up the scanner for at least a 30ms inter-character delay. This will ensure that the *Wraptor* receives all characters transmitted by the barcode scanner. The following barcodes will set up the *Code Reader 2* scanner to use a 40ms inter-character delay:

40ms inter-character delay

Save settings

To use this feature, do the following:

1. Tap the label preview area of the Run tab in the *Wraptor* Control Panel. This will enable and clear the File edit box at the bottom of the screen.
2. Scan the print job barcode. If everything is set up correctly, it will open the print job specified by the barcode.

5.3.3 Setup Tab Commands

The *Setup* tab menu allows you to load labels and ribbons and to clear jams.

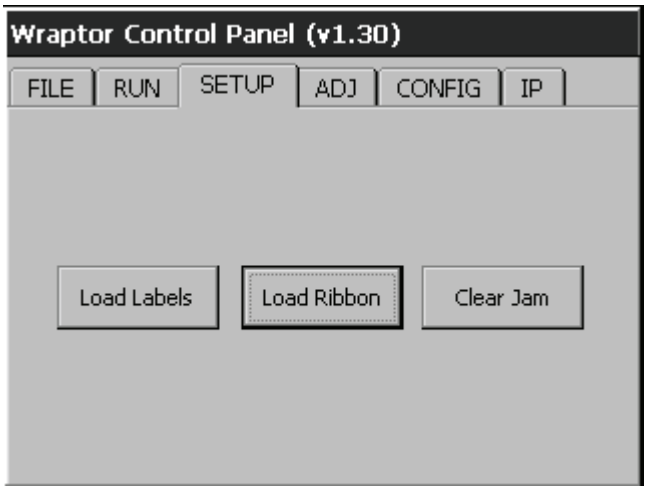
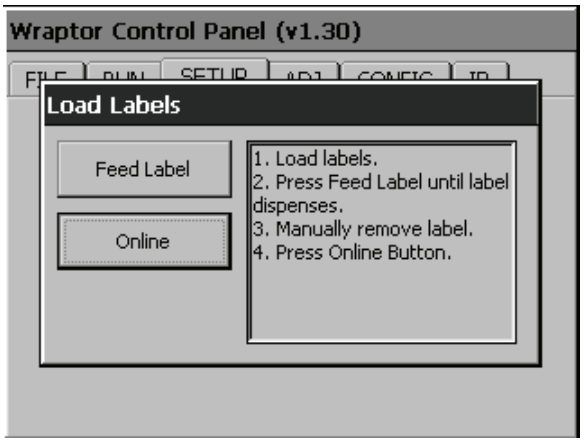
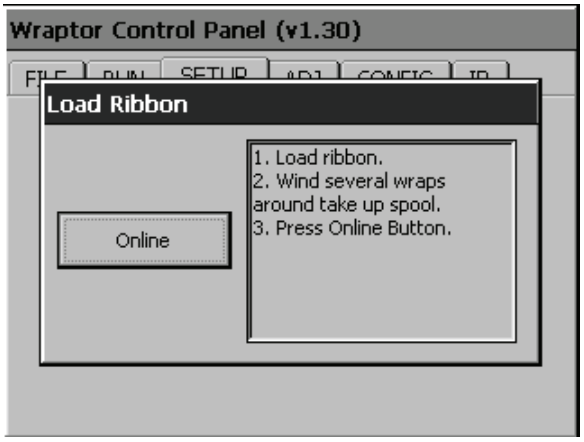
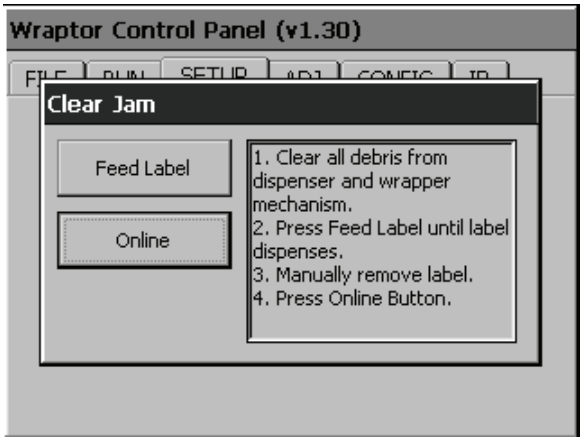


Figure 17. Setup Tab Menu

The following table describes the *Setup* tab command buttons:

Button	Description	Wraptor Dialog
Load Labels	Shuttles the print/wrapper mechanism back, tilts the print head open and displays the *Load Labels* dialog. To load labels: • Physically load the labels in the *Wraptor* unit as described in *Load Label Material*. • Press **Feed Label** until a label dispenses. • **IMPORTANT:** Be sure to remove the dispensed label. Failure to do so will jam the print mechanism. • Press **Online** to shuttle the print/wrapper mechanism forward, tilt the print head closed and prepare the *Wraptor* to print.	 *Load Labels Instruction*s

Load Ribbon	Shuttles the print/wrapper mechanism back, tilts the print head open and displays the *Load Ribbon* dialog. To load the ribbon: • Physically load the ribbon in the *Wraptor* unit as described in *Load the Printer Ribbon* section. • Press the **Online** button to prepare the *Wraptor* to print. This shuttles the print/wrapper mechanism forward and tilts the print head closed.	 *Load Ribbon Instructions*
Clear Jam	Shuttles the print/wrapper mechanism back, tilts the print head open and displays the *Clear Jam* dialog. To clear the jam: • Clear the debris from the wrapper and dispenser mechanisms. • Press the **Feed Label** button until a label dispenses. • **IMPORTANT:** Be sure to remove the dispensed label. Failure to do so may jam the print mechanism again. • Press the **Online** button to prepare the *Wraptor* to print.	 *Clear Jam Instructions*

5.3.4 Adj Tab Commands

The *Adj* tab menu is used to adjust print density and margins relative to the factory settings. It also offers an *Advanced…* button to adjust other print settings that typically require some detailed printer knowledge.

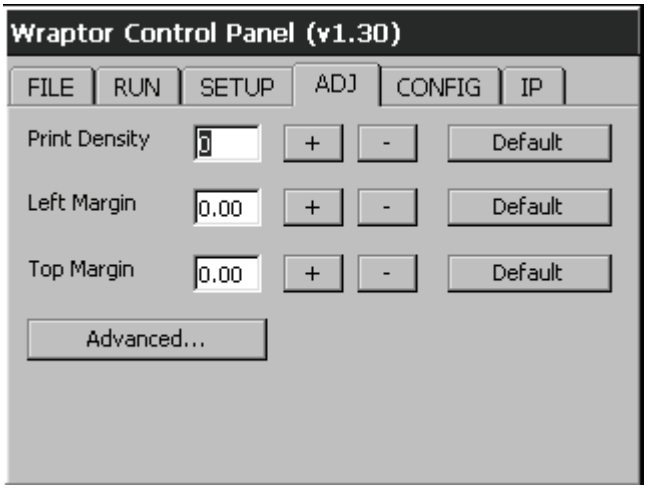


Figure 18. Adj Tab Menu

The following table describes the *Adj* tab commands:

Setting	Description
Print Density	Adjusts the print darkness. Allowable adjustment range is -30 to +30.
Left Margin	Moves the starting position of all text on a label left or right.
Top Margin	Moves the starting position of all text on a label up and down.
-	Decreases the adjustment by 0.01” (0.25 mm).
+	Increases the adjustment by 0.01” (0.25 mm).
Default	Changes the setting back to zero.
Advanced	Displays a dialog of advanced settings.

Advanced Settings Menu

The *Advanced Settings* menu (shown in *Figure 19*) appears when you press **Advanced…**. It allows you to adjust the *Feed to Wire* setting. It also displays the total number of cycles the *Wraptor* has run and the *Wraptor’s* software version number.

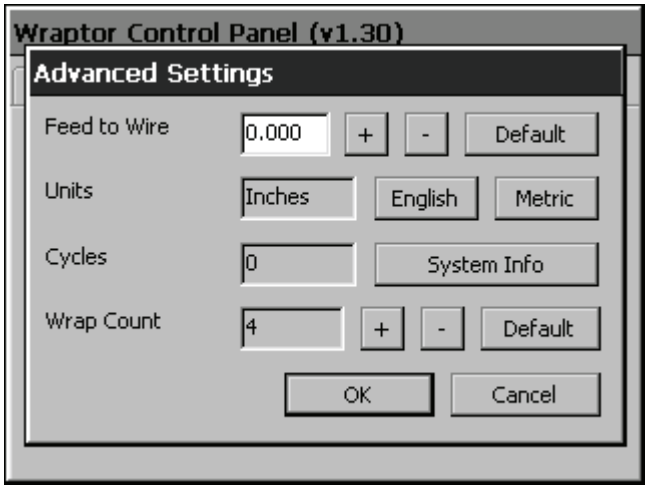


Figure 19. Advanced Settings Menu

Advanced Settings Commands

Button	Description
Feed to Wire	Adjusts the amount that *Wraptor* peels a label prior to wrapping it. **CAUTION:** Inappropriate adjustment can result in a poor label wrap.
-	Decreases the *Feed to Wire* distance by 1/300 inch (0.08 mm) relative to the factory setting.
+	Increases the *Feed to Wire* distance by 1/300 inch (0.08 mm) relative to the factory setting.

Button	Description
Default	Changes the *Feed to Wire* distance back to the factory setting (i.e. zero).
Units	Changes the units of measure.
English	Sets *Units* to inches.
Metric	Sets *Units* to millimeters.
Cycles	Displays total number of print/wrap cycles on the printer. The cycle value is not adjustable.
System Info	Displays software version information (see *Figure 20*, below).
Wrap Count	Displays the number of times the *Wraptor* spins around the wire.
Default	Sets the Wrap Count default.
OK	Saves changes and closes the dialog.
Cancel	Closes dialog without saving changes.

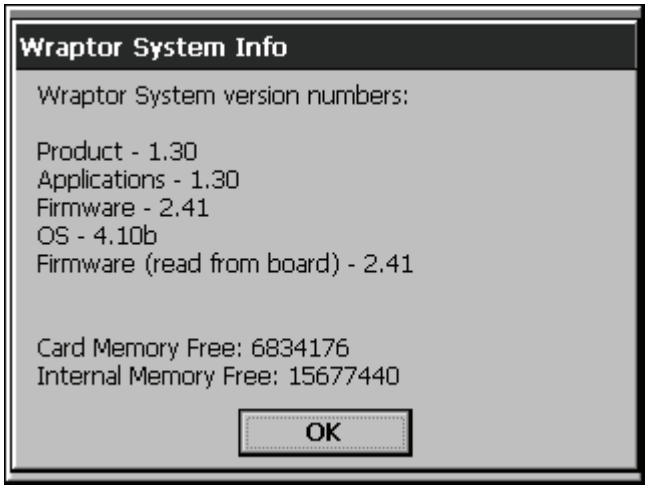


Figure 20. System Information

5.3.5 Config Tab Commands

The *Config* tab menu (*Figure 21*) allows you to set the *Wraptor* printer configuration. For example, the connection type, operating mode and file location. Descriptions of the options follow:

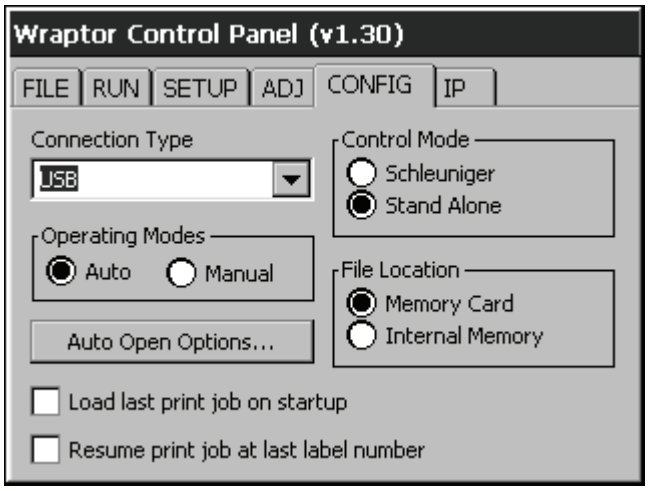


Figure 21. Config Tab Menu

Connection Type

You can connect your computer (running Brady's *LabelMark* software and the *Wraptor* printer driver) to the *Wraptor* unit in one of three ways: Serial cable, USB cable or Ethernet (TCPIP) connection. The *Connection Type* determines the way the computer transfers files to the *Wraptor* printer.

You can also run the *Wraptor* in stand-alone mode by setting the *Connection Type* to *None*. In stand-alone mode, you must use a CompactFlash Memory Card to transfer print files from the computer to the *Wraptor*.

Operating Modes

Two operating modes are available: Auto and Manual. In *Auto* mode, the printer automatically advances to the next label after a print/wrap cycle. In *Manual* mode, you must advance the printer to the next label using the *Run* tab's arrow keys.

Auto Open Options

Auto Open provides options for setting up your print job configuration, including addition of multiple jobs to the print queue, deletion upon closing a file, and closing of print jobs upon printing completion.

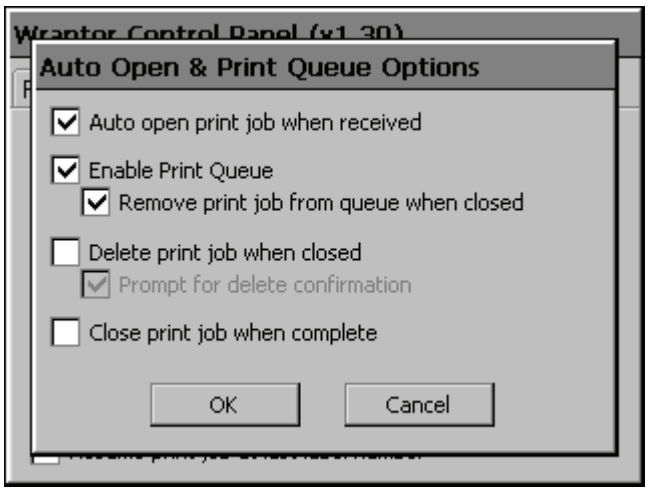

Auto Open & Print Queue Options
Auto open print job when received
Enable Print Queue
Remove print job from queue when closed
Delete print job when closed
Prompt for delete confirmation
Close print job when complete
OK
Cancel

Figure 22. Auto Open & Print Queue Options

The following table describes the *Auto Open & Print Queue* check box commands:

Check Box	Description
Auto open print job when received	Automatically opens the print job when the *Wraptor* receives it.
Enable print queue	Allows the addition of multiple print jobs to the print queue. Select ***Remove print job from queue when closed*** to remove the current print job from the queue when it is closed; otherwise, it will be moved to the end of the queue. **NOTE:** This will not delete the print file from the *Wraptor*.
Delete print job when closed	Check this to delete the current print file from the *Wraptor* when it is closed. Select ***Prompt for delete confirmation*** if a reminder is desired; otherwise, the print file will deleted without prompting.
Close print job when complete	Check this to close the print job once the last label in the file has been printed; otherwise, printing will continue from the first label.

Control Mode

Wraptor supports two control modes: *Stand Alone* and *Schleuniger*

- If you select *Stand Alone*, the *Wraptor* will cycle by operators pushing wire against the Wraptor's two activation switches.
- If you select *Schleuniger,* the *Wraptor* will ignore the activation switches and cycle only by way of the Schleuniger cut and strip equipment.

NOTE: Remote control uses the serial port to communicate with the *Wraptor*. Therefore, the *Connection Type* cannot be *Serial* when remote control is in use.

NOTE: In-line operation of *Wraptor* by way of the *Schleuniger* Control Mode is only available from Schleuniger. Contact Schleuniger for more details at www.schleuniger.com.

File Location

Wraptor supports two file locations: *Memory Card* and *Internal Memory*.

- If you select *Memory Card*, the *File* tab menu displays print file names in the "Spool" subdirectory on the CompactFlash Memory Card.
- If you select *Internal Memory*, the *File* tab menu displays print file names in the *Wraptor's* internal memory.

Load Last Print Job On Startup

Checking this will bring up the last print job you worked with before closing the *Wraptor*, unless you closed all print job files before shutting down. If all files were closed before shutting down, when you next power up the *Wraptor*, no particular file will be open and the default screen will display.

Resume Print Job At Last Label Number

Checking this will open multiple-label files, resuming at the last label number that was displayed before either closing the file or shutting down *Wraptor*.

5.3.6 IP Tab Commands

The *IP* tab menu (*Figure 23*) is used to set up communications between the computer and *Wraptor* unit on a local area network. The settings in this menu are required only for the *TCP Connection Type*, not for Serial, USB, or None.

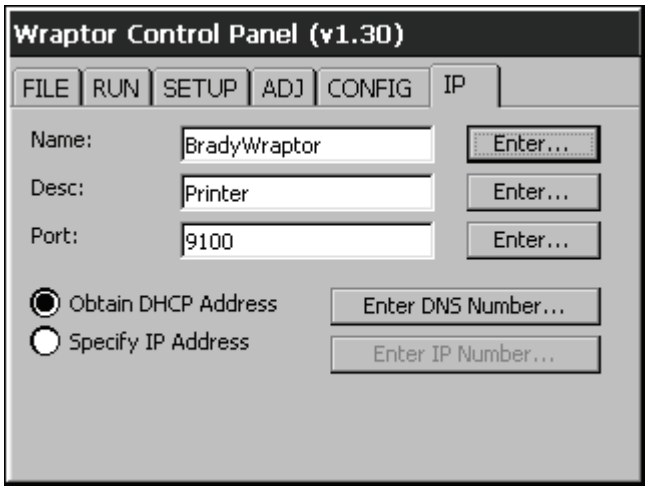


Figure 23. IP Tab Menu

NOTE: Consult your network or site administrator to obtain the IP settings for DNS, WINS, Gateway, etc.

Wraptor supports two types of TCP connections:

- DHCP (or dynamic) addressing. DHCP addressing is simpler and requires less information to configure.
- Fixed IP addressing.

The following table (next page) lists the information required for *DHCP* and *Fixed IP* addressing schemes:

Settings	DHCP	Fixed IP
Printer Name	X	X
Desc	X	X
Port	X	X
Obtain DHCP	X	
Specify IP Address		X
DNS Number Menu		
WINS Server 1	X	
WINS Server 2	X (2)	
DNS Server 1	X (1)	
DNS Server 2	X (1)(2)	
IP Number Menu		
IP Address		X
Subnet Mask		X
Gateway Address		X

(1) Typically networks use either WINS or DNS servers.

(2) The second WINS/DNS server is used as a redundant backup and may not be used at some locations.

Entering Text

To type the *Printer Name:* and *Desc:*, press the appropriate **Enter…** button. This displays a touch screen keyboard.

- Press the **>>** to insert a space.
- Press **<<** to backspace.
- Press **LC** to change to lower case.
- Press **UC** to change to upper case.
- Press **OK** when you are finished.

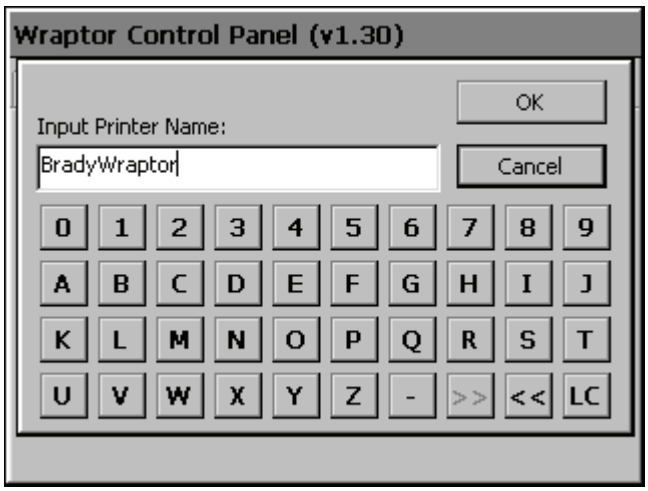


Figure 24. Touch Screen Keyboard Dialog

Description of Settings

Name: The computer will use this name to locate the printer on the network. The name must be unique if multiple *Wraptor* printers are in use on the network. Change the name by pressing the **Enter…** button to the right of the *Name* field.

Desc: The description setting provides a field to enter in extra information about the device like the location or the type of label material typically loaded in the printer. Change the description by pressing the **Enter…** button to the right of the *Desc* field.

Port: The port number is required for the TCP connection and you should always use the default value of 9100. Change the port number by pressing the **Enter** button to the right of the **Port** field.

Obtain DHCP Address: If you select this option (by pressing it with your finger), the network automatically configures the rest of the settings.

Specify IP Address: If you select this option (by pressing it with your finger), you must manually enter the IP address information in the *DNS Number* and *IP Number* dialogs.

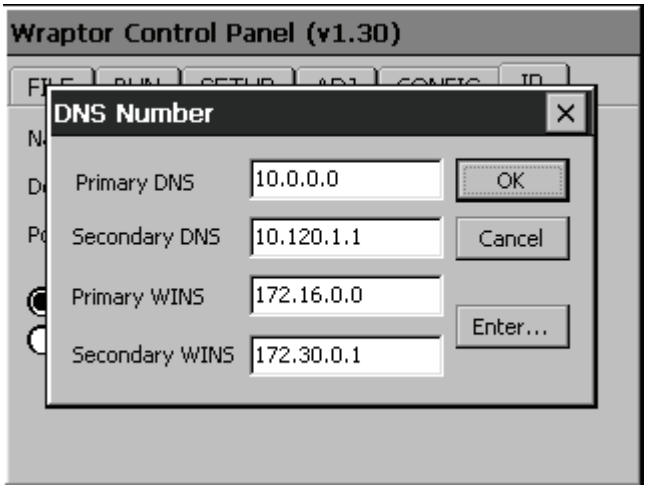


Figure 25. DNS/WINS Server Address Entry

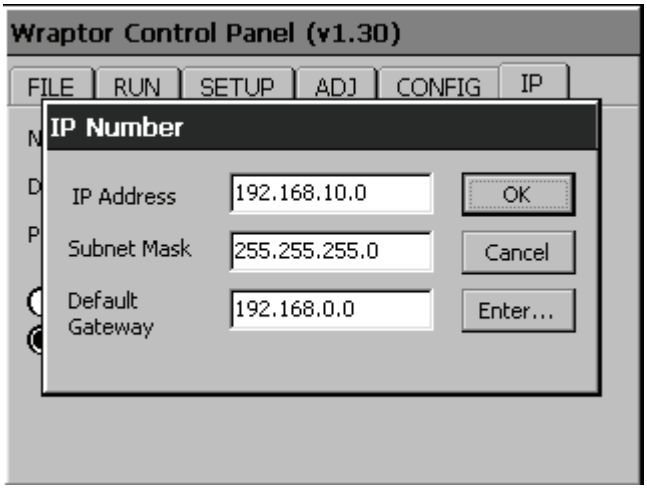


Figure 26. Fixed IP Address Entry

To enter an IP Address:

- Press **Enter DNS Number…** on the *IP* tab.

- The DNS Number dialog (*Figure 25*) appears.
- To enter an IP address:
  - Touch the field you want to enter the IP address for.
  - Press the **Enter** button to display the keypad (*Figure 26*).
  - Use the **<** and **>** keys to move from field to field with the IP address.
  - Use the numbers to change the address.
  - Press **OK** to save the address.
  - Press **Cancel** to exit without saving.
- Repeat this process for the other IP addresses in the *DNS Number* dialog.
- When you are finished with the *DNS Number* dialog, press **OK**.
- Press the **Enter IP Number…** button to display the *IP Number* dialog (*Figure 27*) appears. Repeat the process to enter the IP addresses in this dialog.

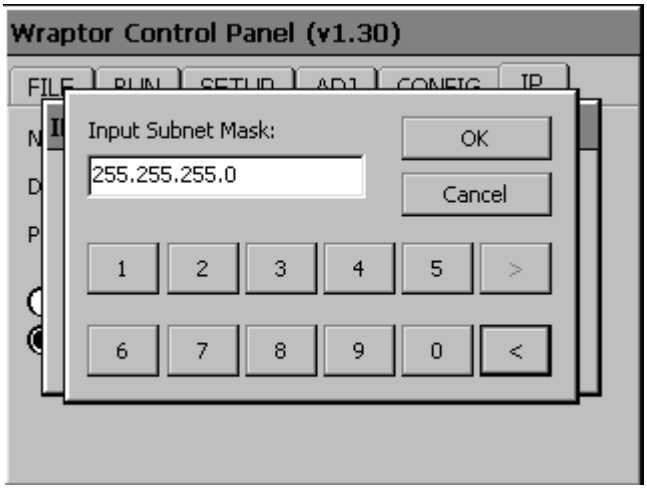


Figure 27. IP Number Keypad.

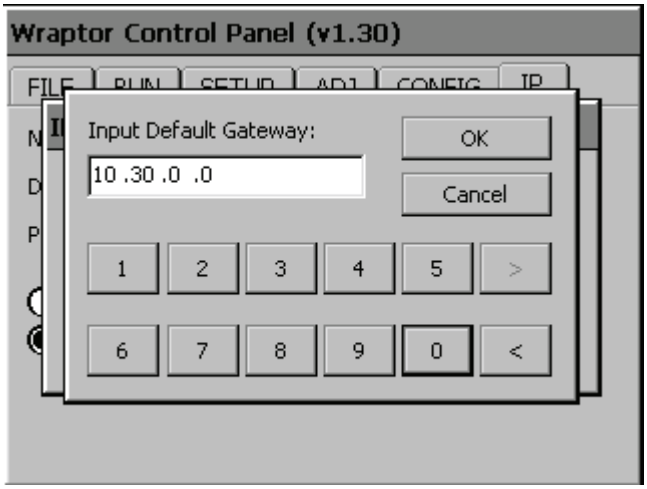


Figure 28. Default Gateway Entry

5.4 The Wraptor Utility Menu

The *Wraptor Utility Menu* allows you to display the *Wraptor Control Panel*, calibrate the touch screen, change the language and upgrade the system.

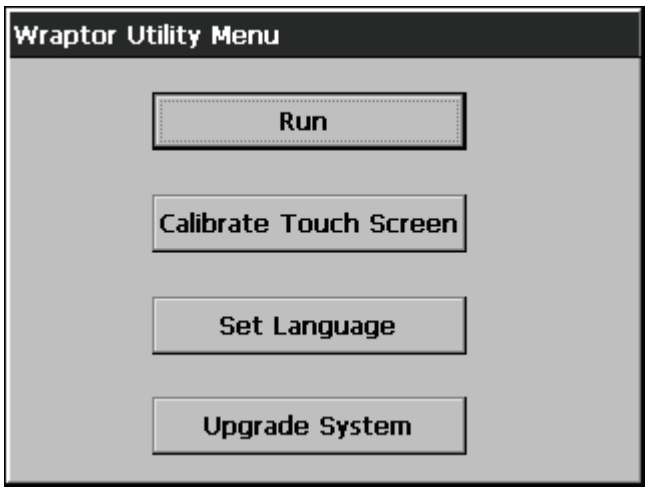


Figure 29. Wraptor Utility Menu

5.4.1 Run Command

The **Run** command displays the *Wraptor Control Panel*.

5.4.2 Calibrate Touch Screen Command

The **Calibrate Touch Screen** command allows you to recalibrate the touch screen.

The screen displays a series of five crosses. Hold your finger on each crosshair for a second or two and then release.

NOTE: Adjust the contrast of the LCD screen by turning the contrast control knob.

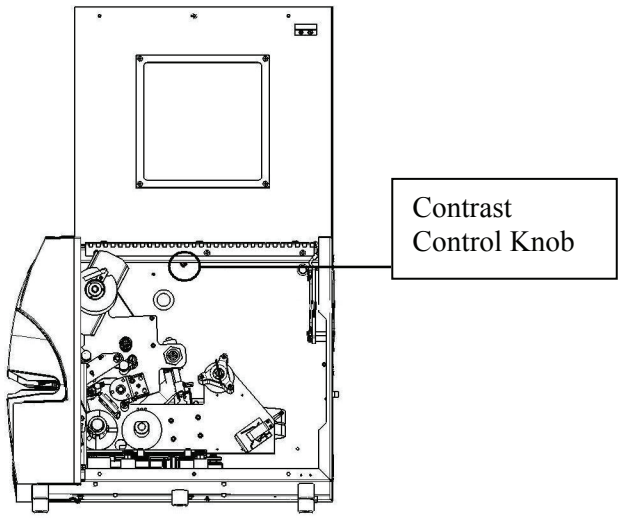


Figure 30. Contrast Control Knob

5.4.3 Set Language Command

Figure 31. Set Language Utility

The **Set Language** command changes the language for the printer. Press **Up** or **Down** to select the desired language and press **OK**.

NOTE: If you select a different language, you must restart the printer so the *Utility Menu* can reload with the new language.

5.4.4 Upgrade System Command

The **Upgrade System** command allows you to install upgraded *Wraptor* system software from the CompactFlash Memory Card. You must first transfer the updated *Wraptor* software to the CompactFlash Memory Card (see *Upgrade Printer Files* on page *56*).

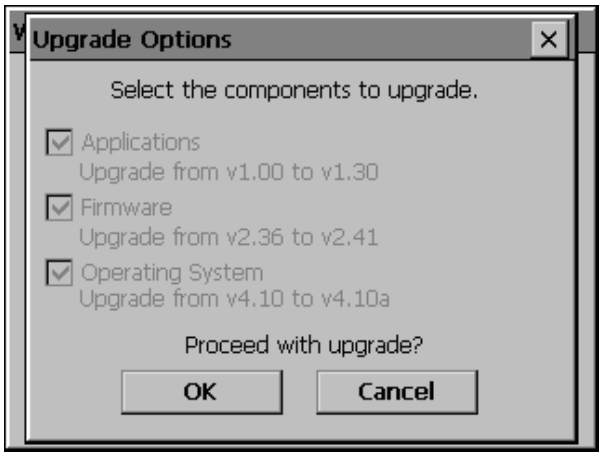


Figure 32. Upgrade Options

Upgrade Options allows you to select which components you wish to upgrade. Older components must be upgraded.

5.5 Power Off

Before turning the *Wraptor* printer's power off, return to the *Utility Menu* by pressing the **Exit** button on the *File* tab menu. Press the **Run** button to return to the *Wraptor Control Panel*.

NOTE: Returning to the *Utility Menu* before powering down saves the cycle count to permanent memory. The *Wraptor* saves cycle count data to permanent memory every 100 cycles or whenever the *Wraptor Utility Menu* is displayed.

Chapter 6 The File Management Utility

This section provides instructions on using the *File Management Utility* (FMU). The FMU is an application included with the *Wraptor* that allows you to transfer label files between your computer, the *Wraptor* and the *Wraptor's* CompactFlash Memory Card.

6.1 Launching the File Management Utility

Click the **File Management Utility** icon on your desktop to launch the application. The *File Management Utility* main menu appears:

Figure 33. File Management Utility Main Menu

6.2 Establishing Communication

To establish communication between your computer and the *Wraptor*:

- Use the *Port:* list box to select the appropriate port.
- Click on Test Connection.
- The *Status* field shows the communication status between the computer and printer

Figure 34. File Management Utility Communication Successful

If the *Communication Successful* message displays, proceed to the next section.

If the *Communication Failed* message displays, manually establish communication by completing the following steps:

- Check the *Port* setting to be sure it matches the *Wraptor* printer to which it is connected.
- Click the **Configure Port** button to verify the selected *Port's* settings. This button directs you to the *Microsoft Windows Port Configuration* utility.
- Check the cable connections.
- Click the **Test Connection** button after all communication selections are verified.

NOTE: You may have to repeat this process if the *Port* or *Configure Port* selections are incorrect.

6.3 File Management Utility Options

The *File Management Utility* displays the following functions:

- **Transfer Files to Printer** lets you transfer files on your computer's hard drive to your printer's internal memory or CompactFlash Memory Card.
- **Transfer Files from Printer** lets you transfer files from either your printer's internal memory or CompactFlash Memory Card to your computer's hard drive.
- **Manage Printer Files** lets you administer (move, copy and delete) files on your printer's internal memory and on the external storage card inserted into your printer.
- **Upgrade Printer Files** lets you transfer updated *Wraptor* software to an CompactFlash Memory Card.

NOTE: If you print to FILE, print files are stored with a PRN extension in *C:\Program Files\Brady\LabelMark 3\Files*.

6.3.1 Transfer Files TO Printer

Transfer Files TO Printer allows you to send files from your computer to the *Wraptor's* internal memory or to an CompactFlash Memory Card in the *Wraptor* unit.

To transfer files to the printer, complete the following steps:

1. Select Transfer Files TO Printer.
2. Select an option from the Source File Type list to filter the displayed files.
3. Select an option from the **Source** list to choose the location of the file you want to delete or copy or move to the printer.

NOTE: The *Source* list displays the drives to which you have access (e.g. 3.5" floppy, hard drive, compact disc, etc.).

4. Select an option from the **Destination** list to display one of the following folders:
   - Wraptor\Internal (printer's internal memory)
   - Wraptor\External (printer's CompactFlash Memory Card)

NOTE: The *File Management Utility* automatically creates missing folders for you. For example, if your *Destination* is *External* and you select a *Source File Type* of *Graphics*, the FMU creates an *External\Graphics\My Graphics* folder for you.

5. Double-click a folder in the *Source* or *Destination* window and to display its folders and files. Only files of the selected *Source File Type* appear.
6. If desired, select **New Category** to create a new category (or folder) on the *Destination* drive.
7. Select the desired *print file* from the **Source** or **Destination**.
8. Select one of the following:
   - Select **Copy** to duplicate the file in the new location.
   - Select **Move** to relocate the file to the new location.

   When the process completes, the status window displays. If the process fails, the *operation failed* message displays and one of the error messages displays:
   - ***Insufficient Space*—**Displays if there is not enough memory within the destination to transfer the selected files.
   - ***Loss of Communication*—**Displays if communication is lost between the attached printer and computer. You will need to exit the utility and follow the steps for connecting again.
   - ***Verify Valid Destination*—**Displays if the entered file destination is incorrect. You will need to enter another destination for the files you have selected.

NOTE: Select **Refresh** to update the contents of the file directory structure as needed. (For example, use this button when you replace one CompactFlash Memory Card with another.)

9. Select **Back to Main Screen** to return to the main menu. Select **Exit** to close the *File Management Utility*.

6.3.2 Transfer Files FROM Printer

Transfer Files FROM Printer allows you to send files from the *Wraptor's* internal memory or CompactFlash Memory Card to your computer.

To transfer files from the printer, complete the following steps:

1. Select Transfer Files FROM Printer.
2. Select an option from the **Source File Type** list to filter the displayed files.
3. Select an option from the **Source** list to choose the location of the file you want to delete or copy or move to the computer.

NOTE: The *Source* list displays the locations to which you have access (e.g., internal memory or CompactFlash Memory Card).

4. Select an option from the **Destination** list to display one of the following folders:

NOTE: The *Destination* list displays the drives to which you have access (e.g., 3.5" floppy, hard drive, compact disc, etc.).

5. Double-click a folder in the *Source* or *Destination* window and to display its folders and files. Only files of the selected *Source File Type* appear.
6. If desired, select **New Category** to create a new category (or folder) on the *Destination* drive.
7. Select the desired *print file* from the **Source** or **Destination**.
8. Select one of the following:
   - Select **Copy** to duplicate the file in the new location.
   - Select **Move** to relocate the file to the new location.

   When the process completes, the status window displays. If the process fails, the *operation failed* message displays and one of the error messages displays:
   - ***Insufficient Space*—**Displays if there is not enough memory within the destination to transfer the selected files.
   - ***Loss of Communication*—**Displays if communication is lost between the attached printer and computer. You will need to exit the utility and follow the steps for connecting again.
   - ***Verify Valid Destination*—**Displays if the entered file destination is incorrect. You will need to enter another destination for the files you have selected.

NOTE: Select **Refresh** to update the contents of the file directory structure as needed. (For example, use this button when you replace one memory storage card with another.)

9. Select **Back to Main Screen** to return to the main menu. Select **Exit** to close the *File Management Utility*.

6.3.3 Manage Printer Files

Manage Printer Files allows you to work with the files in the *Wraptor's* internal memory or CompactFlash Memory Card. For example, you can move files from internal memory to the CompactFlash Memory Card for storage. Or, you can copy files from the CompactFlash Memory Card to internal memory for printing.

To manage printer files, complete the following steps:

1. Select **Manage Printer Files**.
2. Select an option from the **Source File Type** list to filter the displayed files.
3. Select an option from the **Source** list to choose the location of the file you want to delete or copy or move.

NOTE: The *Source* list displays the locations to which you have access (e.g., internal memory or CompactFlash Memory Card).

4. Select an option from the **Destination** list to display one of the following folders:

NOTE: The *Destination* list displays the locations to which you have access (e.g., internal memory or CompactFlash Memory Card).

5. Double-click a folder in the *Source* or *Destination* window and to display its folders and files. Only files of the selected *Source File Type* appear.
6. If desired, select **New Category** to create a new category (or folder) on the *Destination* drive.
7. Select the desired *print file* from the **Source** or **Destination**.
8. Select one of the following:
   - Select **Copy** to duplicate the file in the new location.
   - Select **Move** to relocate the file to the new location.
   - Select **Delete** to permanently erase the file from the *Source*.

   The **Verify Delete** window displays, listing the file you are about to delete. To continue the delete process, select the **Yes** button. Select **No** to cancel the delete process.

   When the process completes, the status window displays. If the process fails, the *operation failed* message displays and one of the error messages displays:

   - ***Insufficient Space*—**Displays if there is not enough memory within the destination to transfer the selected files.
   - ***Loss of Communication*—**Displays if communication is lost between the attached printer and computer. You will need to exit the utility and follow the steps for connecting again.
   - ***Verify Valid Destination*—**Displays if the entered file destination is incorrect. You will need to enter another destination for the files you have selected.

NOTE: Select **Refresh** to update the contents of the file directory structure as needed. (For example, use this button when you replace one memory storage card with another.)

9. Select **Back to Main Screen** to return to the main menu. Select **Exit** to close the *File Management Utility*.

6.3.4 Upgrade Printer Files

The **Upgrade Printer Files** function lets you prepare a new release of the *Wraptor's* software for installation. If your *Wraptor* is up-to-date, you will see a *No updates at this time* message. If your *Wraptor* software needs to be upgraded:

- A prompt appears asking if you want to obtain the updated software from the update web site or from a Brady-provided upgrade CD-ROM.
- The system then transfers the updated software to the CompactFlash Memory Card on the *Wraptor* unit.
- Run the **Upgrade System** command on the *Wraptor Utility* menu to install the new software on the *Wraptor* (see *Upgrade System Command* on page *50*).

Chapter 7 Maintenance

The *Wraptor* requires periodic maintenance to ensure trouble-free operation. The system uses the *Cycle* count to determine when maintenance is required. A maintenance reminder dialog is displayed when the cycle interval is reached.

7.1 Cleaning

Perform the following cleaning routine when prompted to do so or at least every 5,000 labels to keep the *Wraptor* running at optimal performance. The unit comes with a cleaning kit which includes an applicator bottle and narrow cotton swabs. Fill the bottle with isopropyl alcohol (not included) and follow these instructions to clean the wrapper surface, printhead, rollers, and sensors.

7.1.1 Before You Begin

Prior to performing any cleaning or maintenance on the *Wraptor*, you must perform the following steps:

1. Press the **Load Labels** button on the *Setup* tab menu. This shuttles the printer to the "shuttle-back" position.
2. Power off and unplug the *Wraptor*.

WARNING: You must power off and unplug the *Wraptor* prior to performing any cleaning or maintenance!

3. Open the side door on the *Wraptor*.
4. Remove label material.
5. Close the side door.

NOTE: Remember to reload label material before attempting to print/wrap labels.

7.1.2 Cleaning the Wrapper Surface

1. Follow the steps in *Before You Begin* on page *57* of this guide.
2. Open the front (clear) door on the *Wraptor*.
3. Dip a cotton swab in the isopropyl alcohol.
4. Using the moistened swab, clean the wrapper surface. Make sure the wrapper is free of dust, debris and label adhesive build-up.

> **NOTE:** Failure to remove adhesive build-up will cause labels to jam on the wrapper surface.

5. Close the front door.

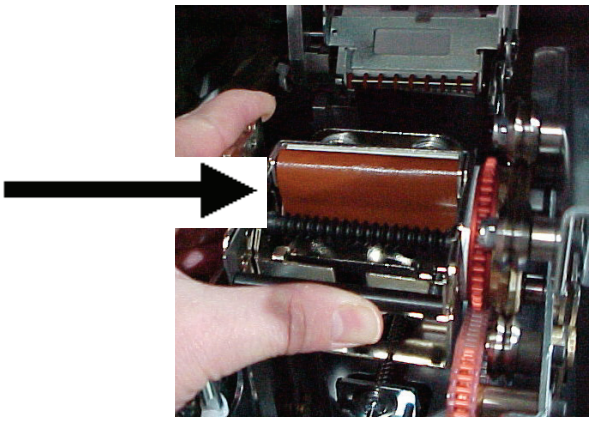


Figure 35. Clean Wrapper Surface

7.1.3 Cleaning the Printhead

1. Follow the steps in *Before You Begin* on page *57* of this guide.
2. Open the side door on the *Wraptor*.
3. Dip a cotton swab in the isopropyl alcohol.
4. Using the moistened swab, thoroughly clean the top surface of the printhead.
5. Close the side door.

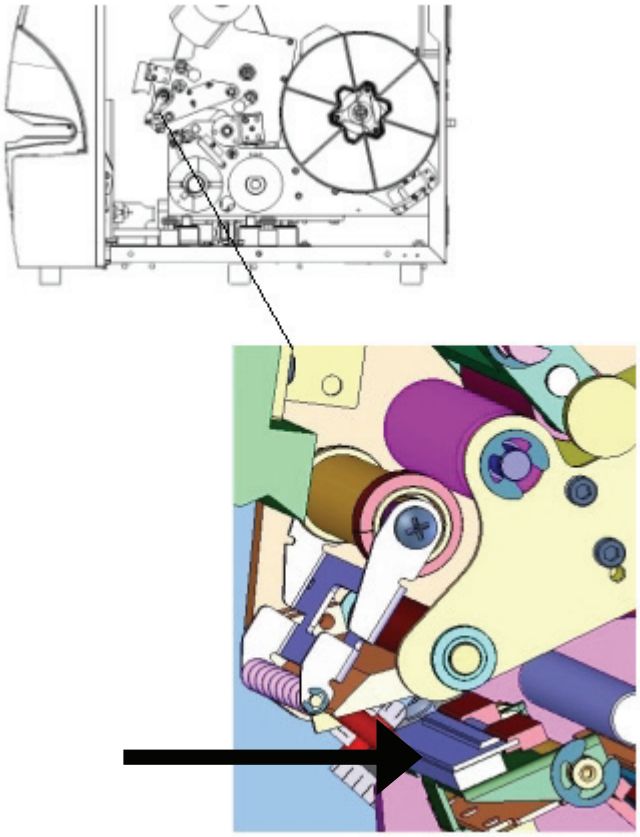


Figure 36. Clean Printhead

7.1.4 Cleaning the Rollers

Follow these steps to clean the rollers:

1. Follow the steps in *Before You Begin* on page *57* of this guide.
2. Open the side door on the *Wraptor*.
3. Dip a cotton swab in the isopropyl alcohol.
4. Using the moistened swab, clean the rollers (drive rollers, nip rollers, and guide rollers). Make sure each roller is free of dust, debris and label adhesive.

NOTE: Drive rollers can be advanced manually for cleaning by turning the large pulley behind the label rewind hub.

NOTE: Use as many swabs as necessary so that you are always using a fairly clean swab.

5. Close the side door.

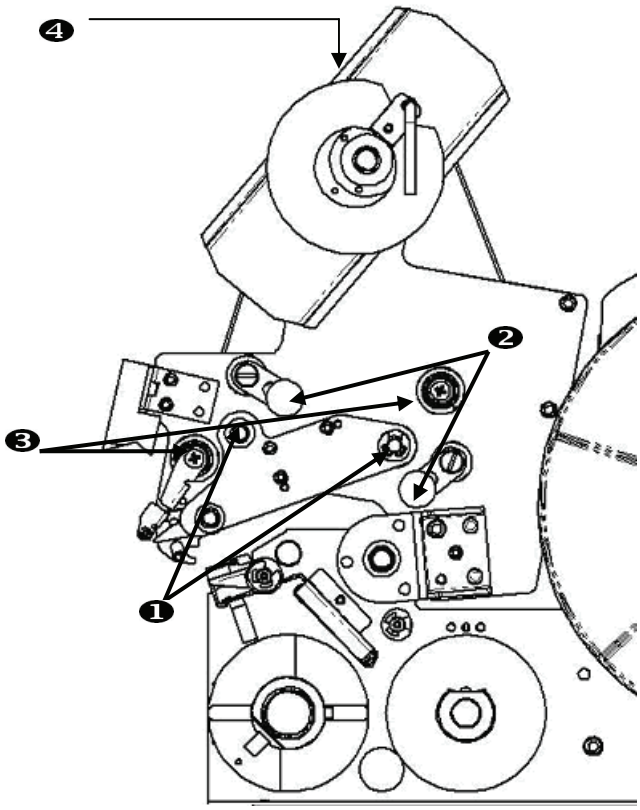


Figure 37. Clean Rollers

1. Drive Rollers
2. Nip Rollers
3. Guide Rollers
4. Pulley

7.1.5 Cleaning the V-Roller

1. Follow the steps in *Before You Begin* on page *57* of this guide.
2. Open the front (clear) door.
3. Dip a cotton swab in the isopropyl alcohol.
4. Using the moistened swab, clean all label adhesive from the serrated v-roller inside the wrapper with a clean swab.
5. Close the front door.

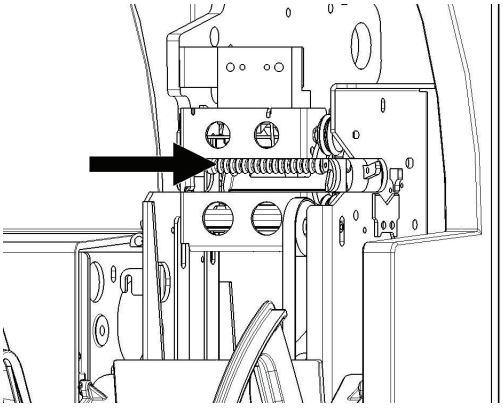


Figure 38. Clean V-Rollers

7.1.6 Cleaning the Sensors

The wrapper contains five sensors that will require occasional cleaning. It is recommended that you clean the sensors every 6 months to one year. To do this:

1. Follow the steps in *Before You Begin* on page *57* of this guide.
2. Open the front and side doors of the unit.
3. Locate the **label notch sensor** using the graphic below as your guide.
4. Clean the label notch sensor with a clean swab dipped in isopropyl alcohol.

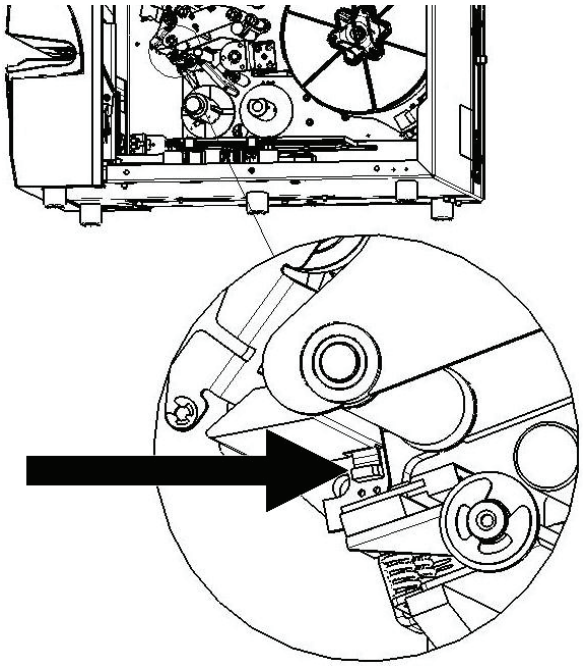


Figure 39. Clean Label Notch Sensor

5. Continue to clean the other sensors as needed.

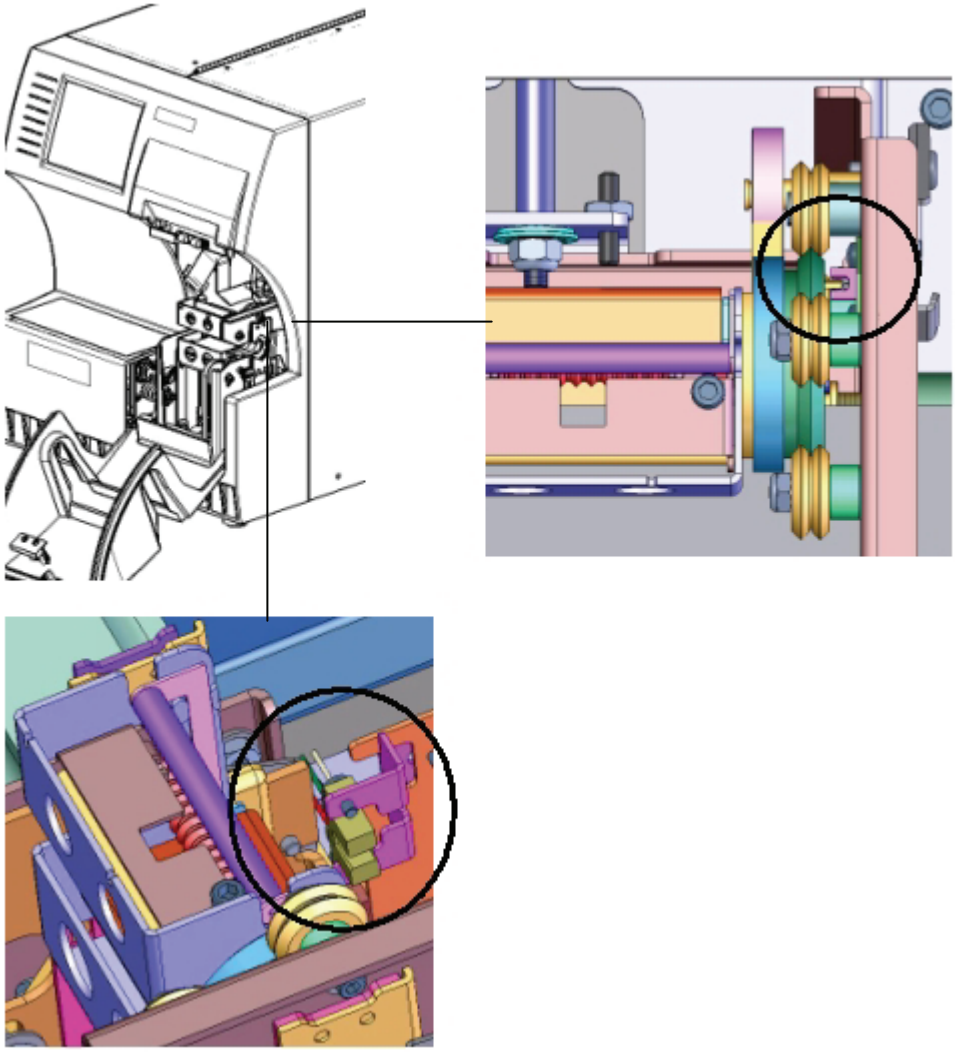


Figure 40. Wrapper and Shuttle Home Sensors

- The **wrapper home sensor** is located inside the front door to the right of the wrapper. You will need to rotate the wrapper so that it's opening is near the sensor.
- The **shuttle home sensor** is located in front of the printer mechanism.

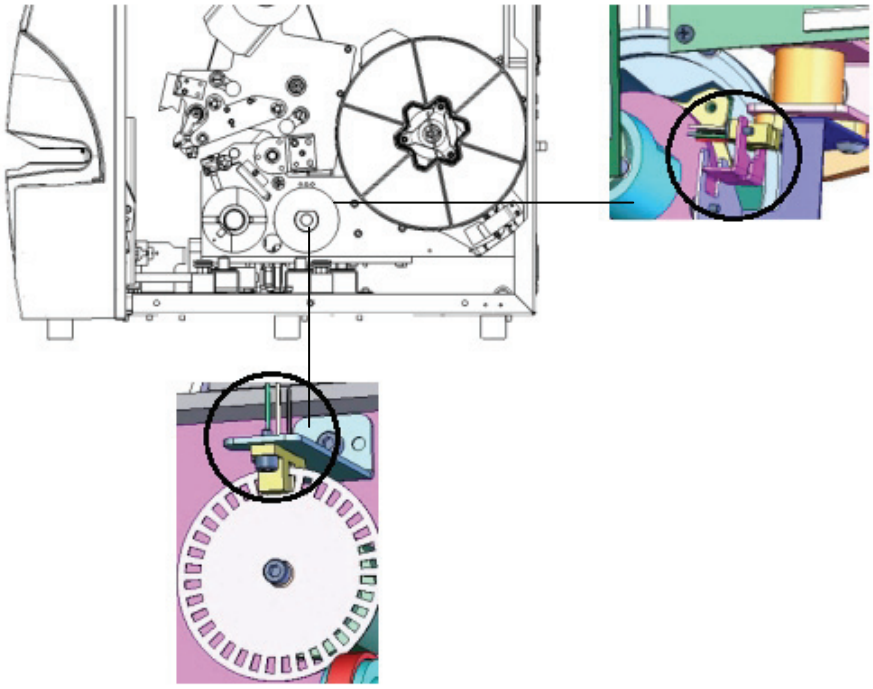


Figure 41. Tilt and Ribbon Out Sensors

- The **tilt sensor** is located behind the printer mechanism on the upper right-hand side.
- The **ribbon out sensor** is located behind the ribbon path. The ribbon sensor should rarely, if ever, require cleaning.

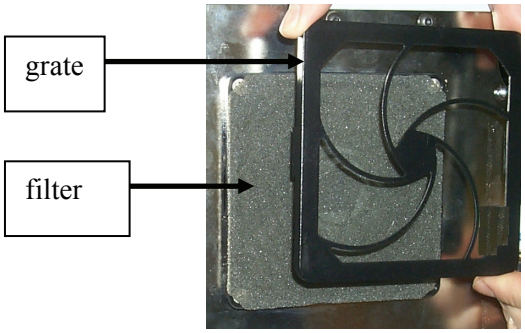
6. Close the unit doors.

7.1.7 Cleaning the Fan Filter

CAUTION: You must clean the fan filter of accumulated dust.

To clean the fan filter:

1. Remove (pull off) the grate from the fan located on the back of the *Wraptor*.
2. Remove the filter.
3. Clean the filter by using either of these methods:
   - Blow clean air through it.
   - Wash it with a mild detergent and allow it to dry.
4. Replace the clean filter over the fan.
5. Snap the grate back into place over the filter.



The fan filter is a replacement part that you can order. See *Accessories* on page *72*.

7.2 Lubrication

Some *Wraptor* parts will need occasional lubrication in order to keep the unit running smoothly. It is recommended that you check the following items for proper lubrication every 6 months to one year.

NOTE: Do not over-lubricate any of the parts. Make sure to wipe off any excess oil or grease.

NOTE: The following procedures require that you remove the label material and/or ribbon prior to performing the maintenance. Remember to reload material before attempting to print/wrap labels.

7.2.1 Oiling the Slide Track

The slide track carries the printer back and forth. Although it comes pre-oiled, you should inspect it and re-oil as needed.

1. Press the **Load Labels** button on the *Setup* tab menu. This shuttles the printer to the "shuttle-back" position.
2. Power off and unplug the *Wraptor*.

   WARNING: You must power off and unplug the *Wraptor* prior to performing any cleaning or maintenance!

3. Open the side door on the *Wraptor*.
4. Remove the ribbon.
5. Inspect the two oilers (shown below) on the outside of the slide track.
6. If dry, add a few drops of light machine oil.

NOTE: There are **four** oilers. Two are on the outside of the slide track (shown below), and two are located opposite these on the inside of the slide track.

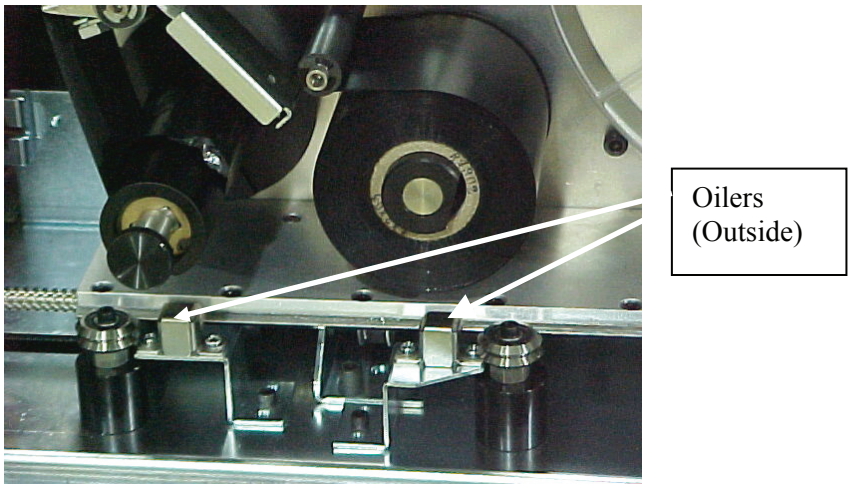


Figure 42. Oil Slide Track

7. Inspect the two oilers on the inside of the slide track: To access the inside oilers:
   - Manually shuttle the slide track back until the access hole (on the bottom of the track) is aligned with the front/inside oiler.
   - Manually shuttle the slide track forward until the back/inside oiler is exposed.
8. Inspect and add a few drops of light machine oil to each oiler as needed.
9. Close the side door.

7.2.2 Clean and Re-grease the Wrapper Hub

1. Press the **Load Labels** button on the *Setup* tab menu. This shuttles the printer to the "shuttle-back" position.
2. Power off and unplug the *Wraptor*.

> **WARNING:** You must power off and unplug the *Wraptor* prior to performing any cleaning or maintenance!

3. Open the front (clear) door on the *Wraptor*.
4. Clean the two surfaces of the "V" on the wrapper hub with a soft, lint-free cloth or a clean swab dipped in isopropyl alcohol.
5. Apply high pressure grease to a soft, lint-free cloth or a clean swab.
6. Using the greased cloth or swab, apply a very thin layer of grease to the wrapper hub as you rotate it. Make sure not to get any grease in the opening of the hub.
7. Close the front door.

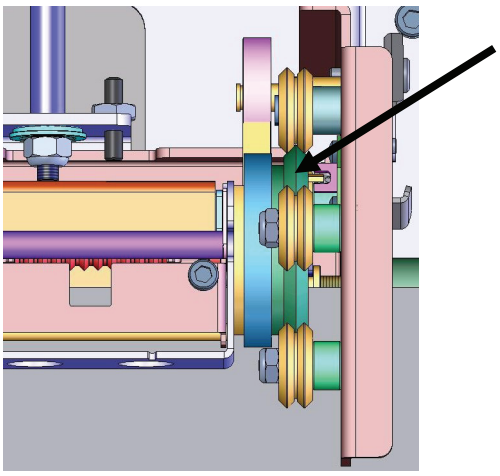


Figure 43. Clean and Grease Wrapper Hub

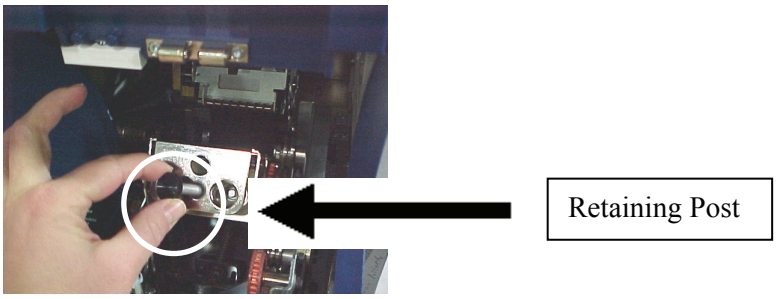
7.3 Replace Wrapper Foam V-Block

The Wrapper Foam V-Block is a replacement part that you can order. See *Accessories* on page *72*. To replace the Wrapper Foam V-Block:

1. Press the **Load Labels** button on the *Setup* tab menu. This shuttles the printer to the "shuttle-back" position.
2. Power off and unplug the *Wraptor*.

> **WARNING:** You must power off and unplug the *Wraptor* prior to performing any cleaning or maintenance!

3. Open the front (clear) cover on the *Wraptor*.
4. Rotate wrapper so that the opening is in the up position.
5. Unscrew the retaining post that keeps the wrapper in place.



6. Reach behind the wrapper and jog the spring–loaded slide until the Wrapper Foam V-Block falls out.
7. Separate the foam V-Block from the stamping.
8. Discard the old foam V-Block, and insert a new V-Block into the stamping.
9. Rotate the wrapper so that the opening is in the down position.
10. Replace the V-block/stamping. Insert so nubs in stamping are positioned through the holes in the frame of the slider.
11. Rotate the wrapper so that the opening is in the up position.
12. Replace the retaining post.
13. Close the front cover.

7.4 Replace Printhead Assembly

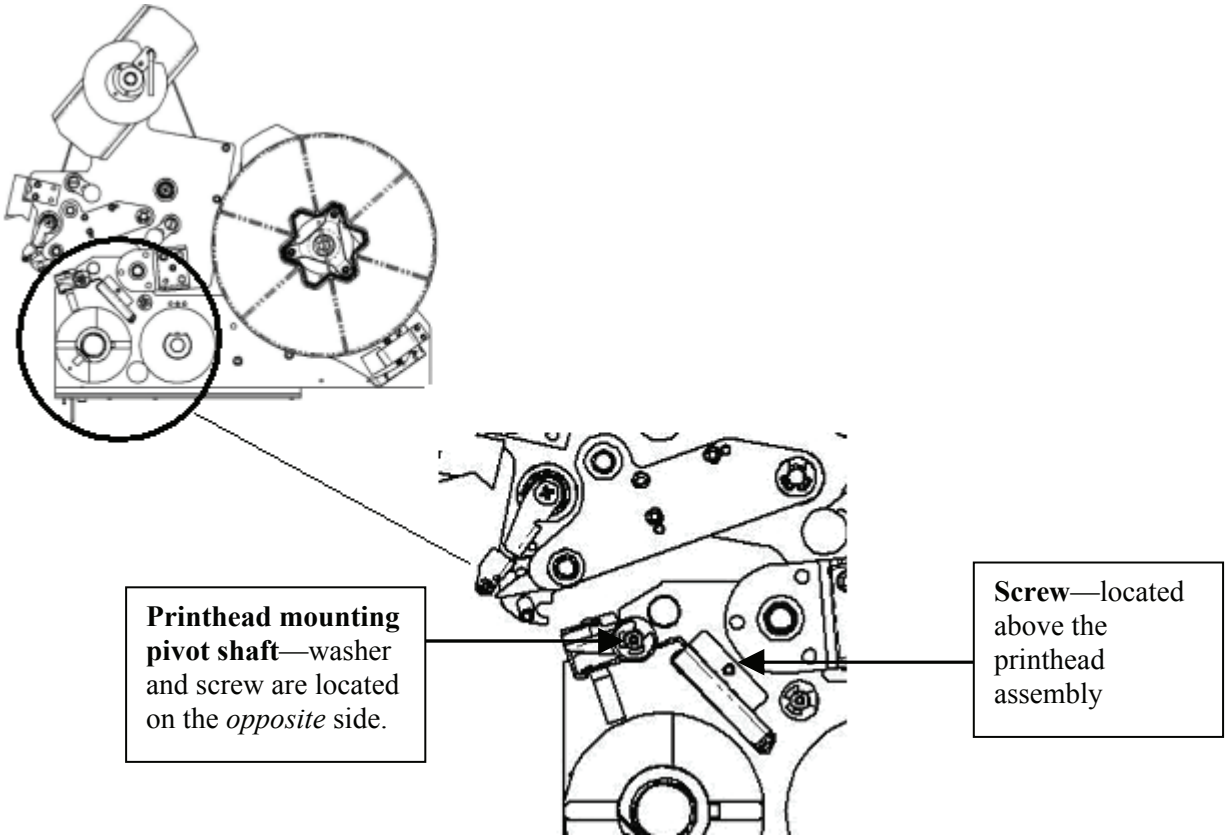
The Printhead assembly is a replacement part that you can order. See *Accessories* on page *72*. To remove the old printhead assembly:

1. Press the **Load Labels** button on the *Setup* tab menu. This shuttles the printer to the "shuttle-back" position.
2. Power off and unplug the *Wraptor*.

> **WARNING:** You must power off and unplug the *Wraptor* prior to performing any cleaning or maintenance!

3. Open the side door on the *Wraptor*.
4. Remove label material and ribbon.

5. Using a 7/64” Allen wrench, remove the screw that is located above the printhead assembly stamping. ***Save the screw for installation of the new assembly.***


Printhead mounting pivot shaft—washer and screw are located on the *opposite* side.
Screw—located above the printhead assembly

6. Using a 5/32” Allen wrench, remove the washer and screw located *opposite* the printhead mounting pivot shaft. You will need to reach around to the back of the printer to remove the washer and screw. ***Save the washer and screw for installation of the new assembly***.
7. Remove the printhead assembly. Make sure that the printhead ribbon cable is eased part way through the cable slot.
8. Remove the strain relief tape (if present) from the printhead ribbon cable.
9. Disconnect the printhead ribbon cable from the printhead assembly, noting the orientation of the cable.

NOTE: It is important to note the orientation of the printhead ribbon cable when disconnecting it as you will need to connect it the same way.

To install the new printhead assembly:

1. Connect the printhead ribbon cable to the printhead assembly, orientating it the same way as it was when removed. (See Step 9 above.)
2. Replace strain relief tape if it was present on the printhead ribbon cable at the time it was disconnected. (See Step 8 above.)
3. Install the printhead assembly, ensuring that the printhead ribbon cable and connector are eased back through the cable slot.
4. Using a 5/32” Allen wrench, replace the washer and screw located *opposite* the printhead mounting pivot shaft.
5. Using a 7/64” Allen wrench, replace the screw that is located above the printhead assembly stamping.
6. Replace label material and ribbon, and close the side door.

Error Message	Possible Cause/Resolution
Cannot change connection to serial port. It's used by remote control.	**Cause:** User tried to connect to printer from computer using Connection Type = Serial in the *Config* tab while the printer is in remote control mode. **Resolution:** Shut down remote control mode by pressing the **Local Control** button in the *Config* tab. Then select the *Serial* connection type.
Cannot go to another label.	**Cause:** Error occurred in moving to another label in the print file. **Resolution:** Reopen the file and try again. If problem persists the PRN file may be corrupt.
Cannot read Wraptor settings from the registry.	**Cause:** Registry settings are corrupted. **Resolution:** Stop and restart the program. Default settings will be automatically re-initialized.
Cannot save Wraptor settings to the registry.	**Cause:** Persistent storage manager not working. **Resolution:** Contact Brady Technical Support.
Check Labels	**Cause:** Out of labels. **Resolution:** Make sure guide rollers are adjusted properly. Clean the label notch sensor. Load new labels in the *Wraptor* unit.
Check Ribbon	**Cause:** Out of ribbon. **Resolution:** Load a new ribbon in the *Wraptor* unit.
Command Not Recognized	**Cause:** Print file contains a command that is not recognized. **Resolution:** Reprint the file from *LabelMark* and try again..
Door is Open	**Cause:** The door is open. **Resolution:** Close the side door.
Door is Open. This operation is not allowed with door open.	**Cause:** The user pressed the Load Labels, Load Ribbon, Clear Jam, or Online button with the unit door open. **Resolution:** Close the door.
Each segment of an IP address must be less than 255.	**Cause:** IP Address segment entered by the user is greater than 255. **Resolution:** Enter a valid segment number.
Error Reading Touch Memory	**Cause:** The *Wraptor's* material reader cannot read the touch memory button. **Resolution:** Confirm that roll of labels is correctly installed and the touch memory button is in the material reader.

Error Message	Possible Cause/Resolution
Invalid Name: Names Must use (A-Z) or (a-z) or (0-9) or Hyphens.	**Cause:** Printer Name contains an invalid character. **Resolution:** Enter a different printer name using valid characters.
Firmware Memory Full	**Cause:** The *Wraptor's* internal memory or CompactFlash Memory Card is full. **Resolution:** Use the *File Management Utility* to move some print files out of the *Wraptor's* internal memory to make room for the new file.
Labels not present or bad Touch Cell	**Cause:** *Wraptor* cannot sense the loaded labels. **Resolution:** Confirm that roll of labels is correctly installed and the touch memory button is in the material reader.
Print file has invalid command.	**Cause:** The printer firmware generates this message. **Resolution:** The most likely cause is lost data. Try printing the file again. If problem persists contact Brady Technical Support.
Print Head is too hot	**Cause:** Print head is too hot. **Resolution:** Open the print head and allow it to cool down.
Print Head Open	**Cause:** The print head is open. **Resolution:** Clean the tilt sensor. If that does not solve the problem, check to see if there is a label jam. If so, clear it. Press the **Online** button on the *Setup* tab.
Remote Device is not receiving Data. Please Check Remote Connection.	**Cause:** *Wraptor* software is in remote control and no connection is available to an external device. Can also occur if printer is turned off when in remote control. Printer will start up in Remote Control mode later when printer is turned back on. **Resolution:** If a remote control type connection is desired ensure cable and remote device are online. If a remote connection is not desired machine will revert automatically to local control on this error.
Serial Port Time Out	**Cause:** *Wraptor* had a problem sending a label to the print/wrap mechanism. **Resolution:** Reopen print file and try again.
Set focus on an input text box first.	**Cause:** User selected an **Enter…** button before selecting a field in the dialog. **Resolution:** Select a field and then select the **Enter…** button.
Shuttle (slide) is not in dispense position	**Cause:** Shuttle (slide) error **Resolution:** Clean the wrapper home sensor. Clean the shuttle home sensor. If that does not solve the problem, check to see if there is a label jam. If so, clear it. Press the **Online** button on the *Setup* tab.

Error Message	Possible Cause/Resolution
The file %s cannot be opened.	**Cause:** If *Wraptor* is set to use an CompactFlash Memory Card, the file was not found. **Resolution:** CompactFlash Memory Card may have been removed prior to opening a file. Re-insert CompactFlash Memory Card and try again.
The file is too large to open.	**Cause:** The print file the user is attempting to open has too many labels in it. **Resolution**: Reduce the number of labels in the file and reprint the job.
The IP address is invalid.	**Cause:** The user entered an invalid IP address. **Resolution:** Check for proper IP address format: xxx.xxx.xxx.xxx where xxx can be a number from 1 to 255.
The label index is out of range.	**Cause:** Error occurred in moving through label file. Possible corruption to print file. **Resolution:** Reload file and try again.
The label number must be between 1 and %d.	**Cause:** User entered a label number outside the range of labels in the opened file in the Go To Label dialog. **Resolution:** Enter a number in the label range. Label range is displayed in the *Run* tab.
The port number must be a positive integer between 1 and 9999.	**Cause:** Printer Port number must be greater than zero and less than 10000. The default port number is 9100. **Resolution:** Use default number of 9100.
The selected file %s is read-only. Do you want to delete it?	**Cause:** The user pressed the delete button and the selected file has a read-only attribute. **Resolution**: It is OK to delete Read-Only files. This message simply distinguished them from non-Read-Only files.
The print file uses label size: %s. A different label size is loaded in the printer. Do you want to proceed anyway?	**Cause:** User opened a print file designed with a different label size than currently loaded in the printer. **Resolution:** Override and proceed with caution or cancel open operation and load correct label material in printer before running print job.
The serial port is currently used for PC connection. Please change connection type first.	**Cause:** User try to establish a remote control connection with the *Connection Type* set to *Serial* in the *Config* tab. **Resolution:** Remote control and *Connection Type* = serial cannot be used at the same time. Select a different *Connection Type* in the *Config* tab menu before attempting to use remote control.
The serial port is currently used for Remote Control. Please change to Local Control first.	**Cause:** See “Cannot change connection to serial port. It's used by remote control. **Resolution:** Shut down remote control mode by pressing the **Local Control** button in the *Config* tab. Then select the *Serial* connection type.
The total Left Margin Offset setting of	**Cause:** Remote Control Message. Parameter Out of

Error Message	Possible Cause/Resolution
%d pixels is out of range. Upper limit of 90 pixels is used.	Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Left Margin Offset setting of %d pixels is out of range. Upper limit of -90 pixels is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Peel to Feed setting of %d pixels is out of range. Upper limit of 90 pixels is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Peel to Feed setting of %d pixels is out of range. Upper limit of -90 pixels is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Print Density setting of %d is out of range. Upper limit of 10 is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Print Density setting of %d is out of range. Upper limit of 10 is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Top Margin Offset setting of %d pixels is out of range. Upper limit of 90 pixels is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
The total Top Margin Offset setting of %d pixels is out of range. Upper limit of -90 pixels is used.	**Cause:** Remote Control Message. Parameter Out of Range. **Resolution:** Reduce Adjustment to be within range allowed.
This is an invalid print file.	**Cause:** Print file is corrupt or wrong version. **Resolution:** Reprint the label file from the computer. Call Brady Technical Support if this does not resolve the problem.
Wrapper mechanism is not in home position	**Cause:** Wrapper mechanism is not in home position. **Resolution:** Clear wrapper jam. Clean wrapper home sensor. Press the **Online** button on the *Setup* tab.

Chapter 9 Accessories Parts List

Following is a list of parts and accessories that can be ordered for the *Wraptor*:

9.1 Consumable material

Product ID	Label Part	Width	Height
Y381713	Wraptor Self-Lam	.5”	.75”
Y381714	Wraptor Self-Lam	1”	1”
Y381715	Wraptor Self-Lam	1”	1.25”
Y381716	Wraptor Self-Lam	1”	1.5”
Y381717	Wraptor Self-Lam	1.5”	2.5”
Y381718	Wraptor Self-Lam	2”	3”
Y381719	Wraptor Nylon Cloth	.5”	.75”
Y381720	Wraptor Nylon Cloth	1”	1.5”
Y381721	Wraptor Nylon Cloth	2”	2”
Y31131	R4311	1”	984’
Y36204	R4302	2.36”	984’
*Y381924	Wraptor Self-Lam Unpkg.	1”	1.5”

*This is the unpackaged material that comes with the *Wraptor*.

9.2 Accessories

Product ID	Description
Y90840	32 MB CompactFlash Memory Card
Y367839	CompactFlash Adapter Card
Y60449	Cleaning Kit
Y362539	Printhead
Y389517	Assy-Wrapper Tarp (Wrapper Foam V-Block, sub-assembly)
Y394196	Fan Filter